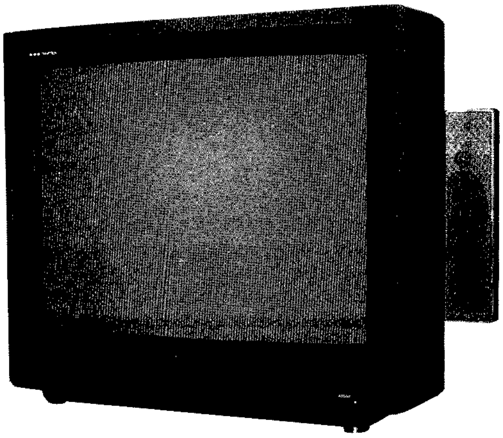
KV-27XRTM

RM-664

SERVICE MANUAL

West Germany Model

Chassis No. SCC-A39A-A



December, 1986

SX CHASSIS

Note: The service manual for RM-664 has been issued separately.

SPECIFICATIONS

Television system	CCIR B/G, I, M, D/K, L
Color system	PAL, SECAM, NTSC 3.58, NTSC 4.43
Channel coverage	

Television system	VHF	UHF
B/G	E2–S20	E21–69
I	——	I21–69
M	A2–A13	A14–A78
D/K	R1–R12	21–69
L	02–10, B–Q (CCETT)	F21–69

Dual-sound system	Zweiton system of West Germany
Picture tube	Trinitron tube 114-degree deflection Approx. 68 cm (27 inches) (Approx. 64 cm picture measured diagonally)
Inputs	21-pin connector: CENELEC standard 21-pin connector: RGB input unconnected
Outputs	Headphones jack: stereo minijack External speaker terminals: 2-pin DIN Audio output jacks: phono jack
Power consumption	115 Wh
Dimensions	Approx. 773 x 562 x 479 mm (w/h/d) ($30\frac{1}{2}$ x $22\frac{1}{4}$ x $18\frac{7}{8}$ inches)
Weight	Approx. 50 kg (110 lb 4 oz)
Supplied accessories	RM-664 Remote Commander (1) IEC designation R03 batteries (2)

Design and specifications are subject to change without notice.

MICROFILM

TRINITRON® COLOR TV

SONY®

CTV

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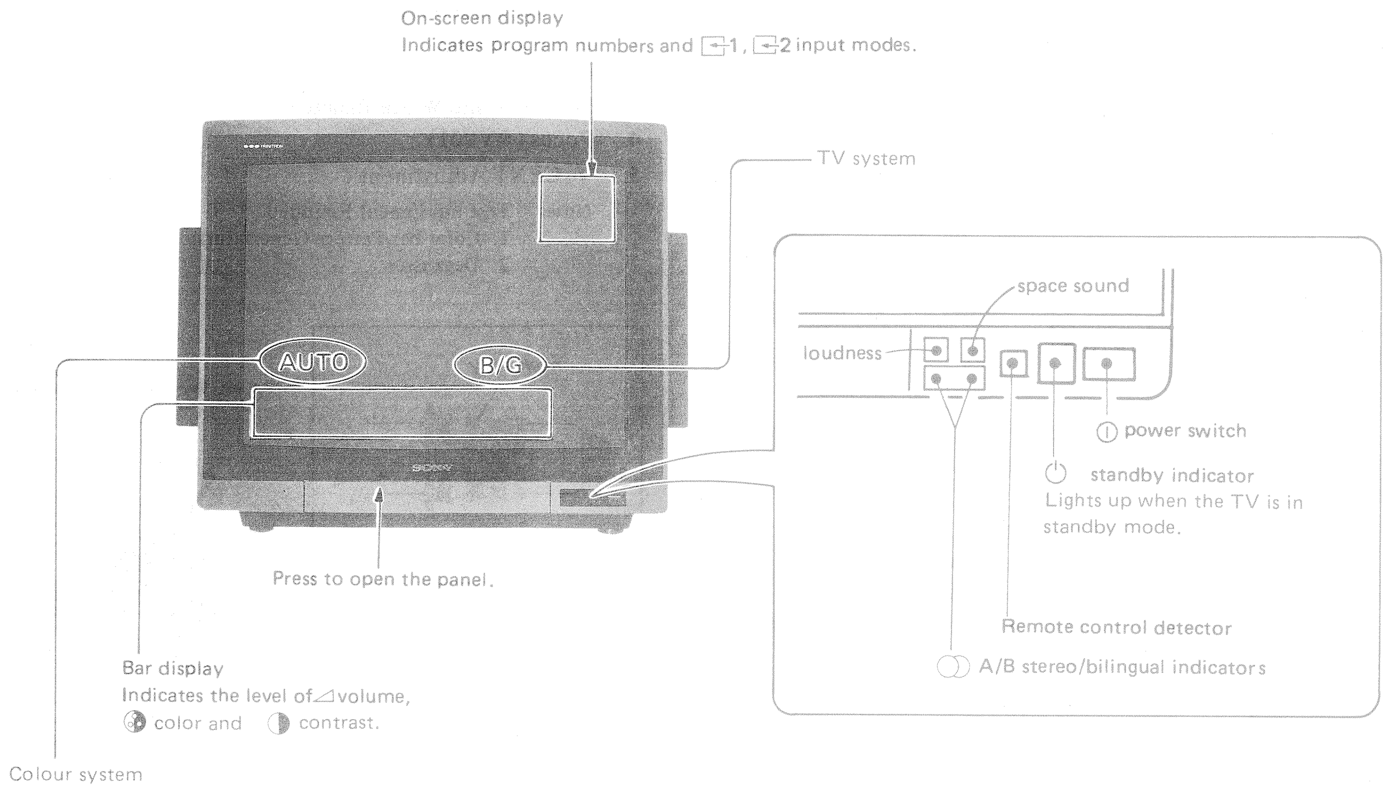
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
GENERAL

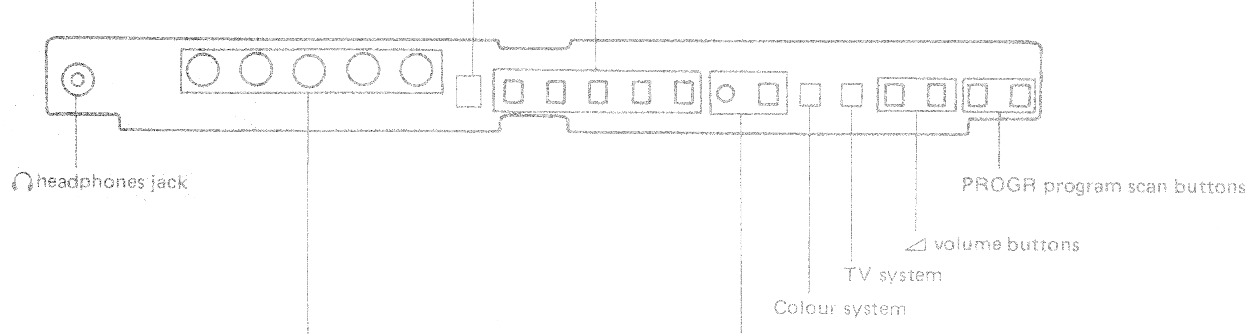
1-1. FUNCTION OF CONTROLS


On-screen display
Indicates program numbers and ⇥1, ⇥2 input modes.
TV system
AUTO
B/G
space sound
loudness
power switch
standby indicator
Lights up when the TV is in standby mode.
Remote control detector
A/B stereo/bilingual indicators
Press to open the panel.
Bar display
Indicates the level of ◺volume, color and contrast.
Colour system

INSIDE THE PANEL

STEREO ⎍ /MONO ⊓ button

Normally, leave STEREO/MONO in the STEREO position to receive stereo programmes automatically.
However, excessive noise may be heard due to weak signals.
In this case, depress STEREO/MONO. The sound becomes monaural but the noise should be eliminated.



Use to adjust picture and sound

SHARPNESS
- ☼ brightness
- balance
- bass tone
- treble tone

Use to fine tune a weak channel.

Normally, press AFT ON so that the indicator lights up. The channels are automatically fine tuned for the best possible picture.
However, in some cases a better picture may be obtained by fine tuning manually with SEARCH. When SEARCH is pressed, the AFT indicator goes off and the AFT circuit does not function on that channel.
(To restore the AFT circuit on this channel, press AFT ON so that the AFT indicator lights up.)

CONNECTING OTHER EQUIPMENT

Rear of the TV			Use
🔈	L/G/S	left external speaker terminal	Connect to external speakers. The TV speakers will be disconnected.
	R/D/D	right external speaker terminal	
⊖	R/D/D	right audio output jack	Connect to audio equipment.
	L/G/S	left audio output jack	
⇥1		21-pin connector (CENELEC standard)	Connect to a VTR, micro computer, etc. The picture of the TV channel being received is always output. The picture of ⇥2 can be watched while recording a TV program with the VTR connected to ⇥1.
⇥2		21-pin connector (without RGB input)	Connect to a second VTR. The picture displayed on the screen is always output. The picture of ⇥1 can be recorded with the VTR connected to ⇥2, while monitoring the picture.
┐┌		antenna socket	Connect to the antenna

VTR operation using the supplied Commander
To control a SONY 8 mm VTR, set the switch inside the battery compartment to B. To control other SONY VTR's set to A.

USE TO TUNE IN RECEIVABLE CHANNELS

To tune in all channels automatically
1 Press PROGR to select the programme position from which tuning is to begin.
2 Press PRESET.
3 Press COLOR SYSTEM to select "AUTO".
4 Press TV SYSTEM to select "B/G".*
5 Press AUTO PROGR.

The channels will be tuned in and memorized in consecutive positions, beginning from the position selected in step 1.
When tuning has been completed, the set returns to the position where tuning began.

*When "B/G" is selected, all channels available in TV systems B/G, I, M and D/K are tuned in.
To tune in French TV channels (system L), repeat steps 1 to 5. However, in step 4, select "L" instead of "B/G".

Note on the TV system and color system
TV system: If the sound is distorted, press TV SYSTEM to select the system which produces clear sound.
Color system: If a color programme does not appear in color, press COLOR SYSTEM to select the system which produces color.

To tune in a channel in any desired programme position
(e.g. the position with the same number as the channel)
1 Press PROGR to select the desired programme position.
2 Press PRESET.
3 Press COLOR SYSTEM to select "AUTO".
4 Press TV SYSTEM to select the desired TV system.
5 Press CLEAR.
6 Press SEARCH repeatedly until the desired channel appears.
7 Press PRESET again.

Repeat steps 1 to 7 for other desired channels.

To have unused or undesired programme positions skipped when PROGR+ or – is pressed
1 Press PROGR to select the position to be skipped.
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3 Press CLEAR.
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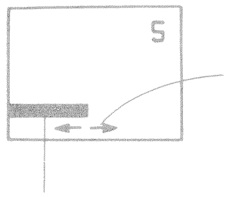
ON-SCREEN DISPLAY WHILE TUNING



Program position
The band of the channel being tuned will be underlined.

Indicates the approximate location in the band of the channel being tuned in.
The band lengthens for a higher-frequency channel and shortens for a lower-frequency channel,

1-2. VIE

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SECTION 1
GENERAL

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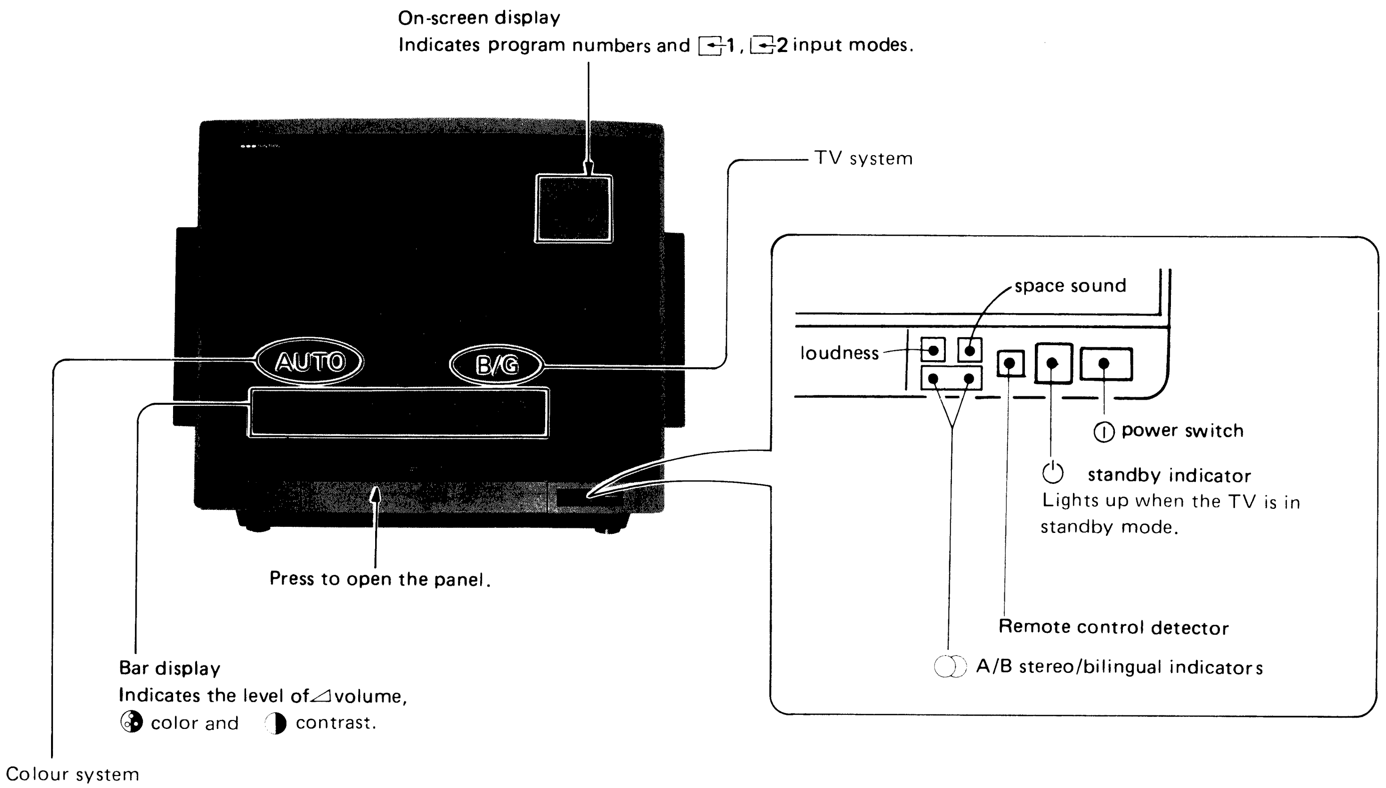
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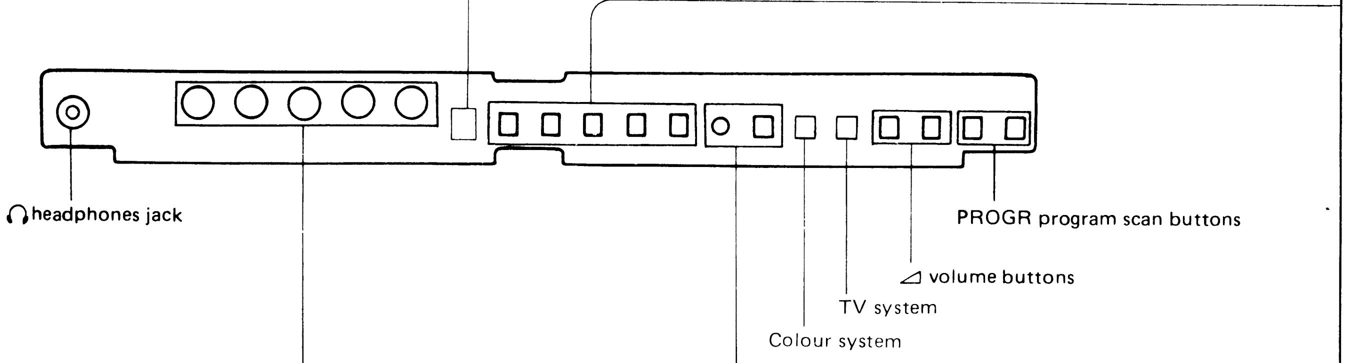

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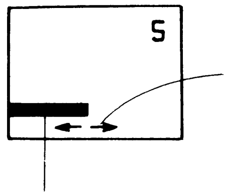

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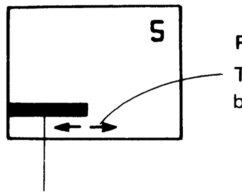

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1-2. VIEWING TELETEXT

The numbers and symbols on the Commander for the teletext mode are in green.

OPERATION
1 Select the TV channel for the desired teletext service.
2 Press TEXT/MIX to display the teletext service.

To return to the TV mode, press TV.

To display the index page
Press INDEX.

To display the desired teletext page
Key in the three digits for the desired page using the number buttons.

To request a higher-numbered or lower-numbered page
Press PAGE + or –.

To superimpose the teletext page on the TV picture
Press TEXT/MIX.

To hold a teletext page so that it cannot be updated
Press HOLD. To resume normal teletext reception, press TEXT/MIX.

To enlarge the teletext display
Press ▀ / ▄ / █. Press once to enlarge the upper half of the display; press twice to enlarge the lower half of the display; press three times to return to the normal display.

To reveal the answers to a quiz
Press REVEAL.

To adjust the brightness of the teletext display
Press ◑ .

To display the teletext service of another channel
1 Press TV to return to the TV mode.
2 Select the desired TV channel.
3 Press TEXT/MIX.

To have a requested page broadcast at a predetermined time
1 Request time coded page
2 Press TP ON. The time display in the top right hand corner of the screen starts flashing.
3 Enter your request time with the number buttons, using four digits. For example, 07:30.

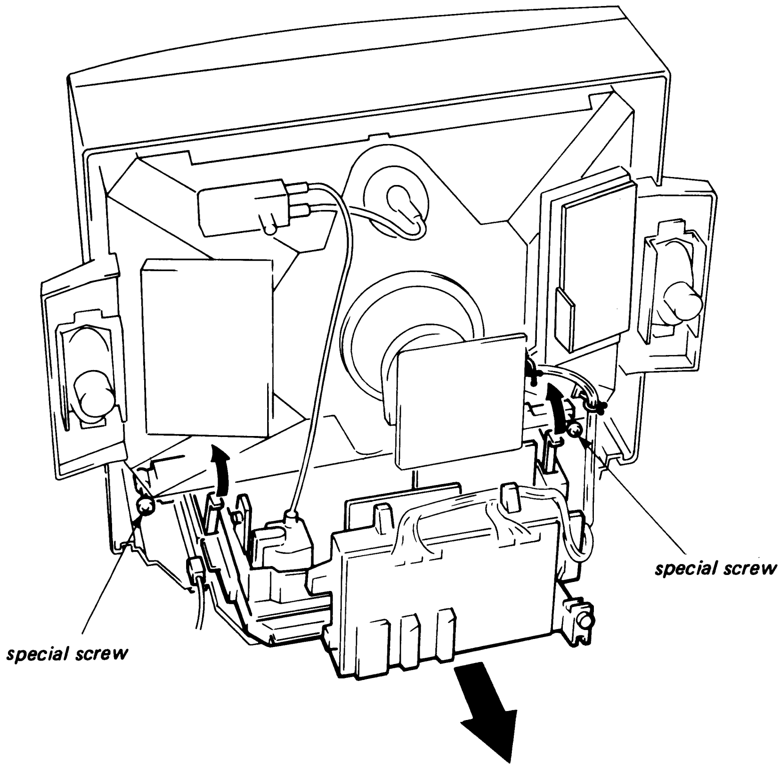
To cancel the request, press TP OFF.

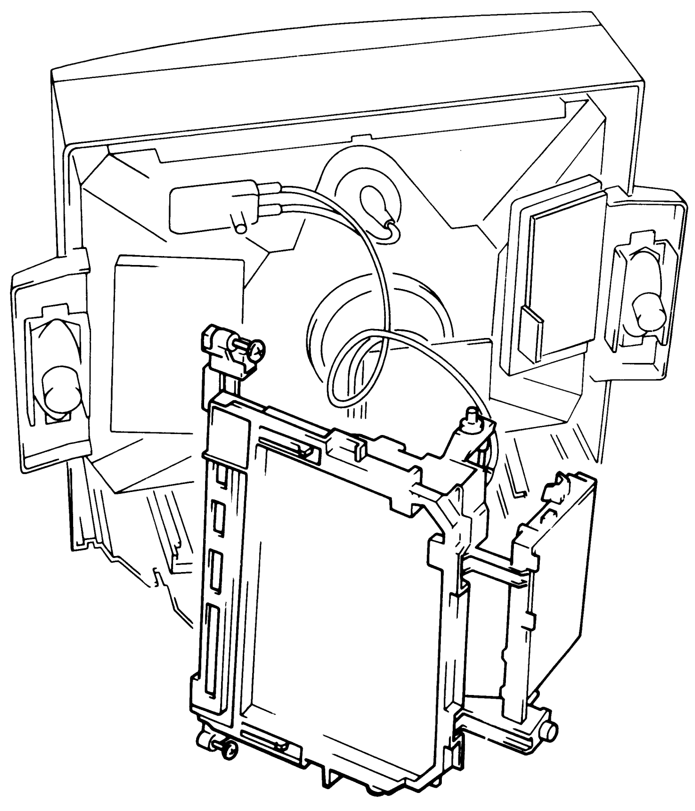
To watch a TV program while waiting for the requested page to be displayed
1 Request new page.
2 Press TEXT CL to display the TV program. The TV channel cannot be changed.

When the requested page has been captured by the adaptor, the page number is indicated in the top left hand corner of the screen. To display this page, press TEXT/MIX.

Notes
To prevent misoperation, keep AFT ON switched on in the teletext mode.

SECTION 2
SERVICE POSITION

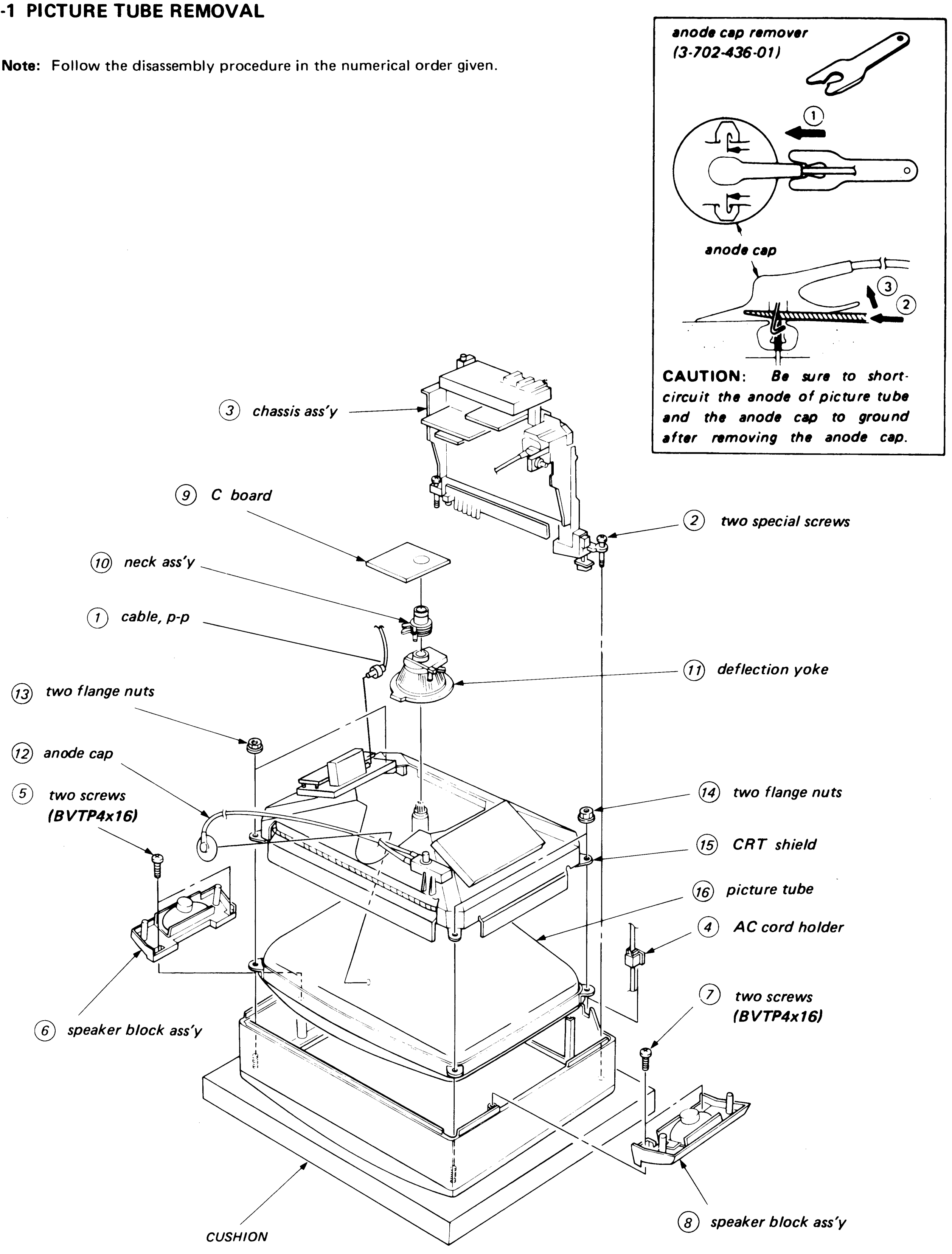

special screw
special screw



SECTION 3
DISASSEMBLY

3-1 PICTURE TUBE REMOVAL

Note: Follow the disassembly procedure in the numerical order given.


anode cap remover
(3-702-436-01)
①
anode cap
③
②
③ chassis ass'y
⑨ C board
⑩ neck ass'y
① cable, p-p
⑬ two flange nuts
⑫ anode cap
⑤ two screws (BVTP4x16)
⑥ speaker block ass'y
② two special screws
⑪ deflection yoke
⑭ two flange nuts
⑮ CRT shield
⑯ picture tube
④ AC cord holder
⑦ two screws (BVTP4x16)
⑧ speaker block ass'y
CUSHION

CAUTION: *Be sure to short-circuit the anode of picture tube and the anode cap to ground after removing the anode cap.*

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4-1.

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3. A
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6. A
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7. S
s
8. C
p
9. T
10. C
s
c
11. C
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⑤
⑧

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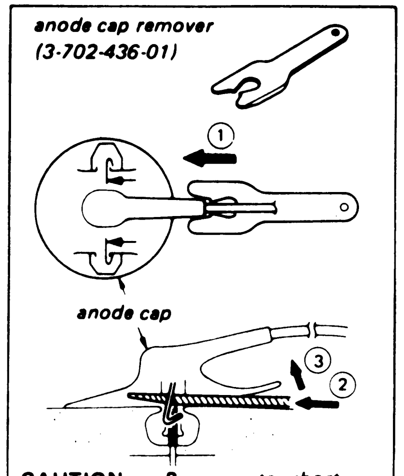
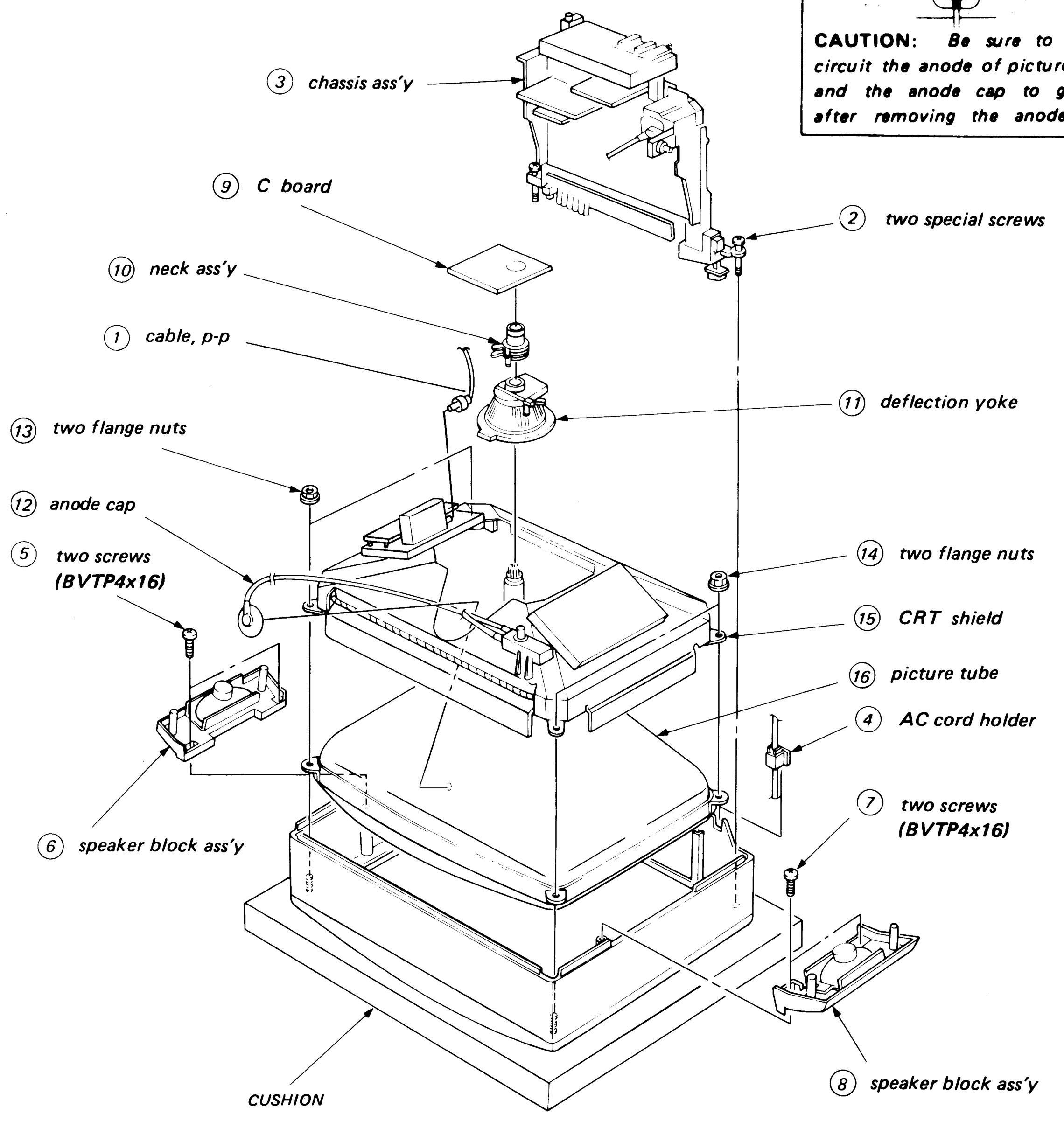

anode cap remover
(3-702-436-01)
①
anode cap
③
②

CAUTION: *Be sure to short-circuit the anode of picture tube and the anode cap to ground after removing the anode cap.*


③ chassis ass'y
⑨ C board
⑩ neck ass'y
① cable, p-p
⑬ two flange nuts
⑫ anode cap
⑤ two screws
(BVTP4x16)
⑥ speaker block ass'y
CUSHION
② two special screws
⑪ deflection yoke
⑭ two flange nuts
⑮ CRT shield
⑯ picture tube
④ AC cord holder
⑦ two screws
(BVTP4x16)
⑧ speaker block ass'y

SECTION 4
SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed. These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

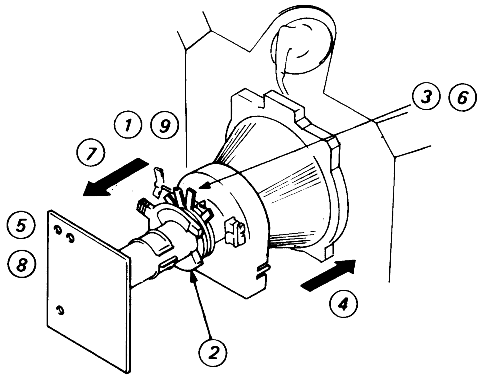
◑(picture) button . . . . 80% (or normal by commander.)
(Press ◑ + button)
☼(brightness) control . . . . . CENTER CLICK Position

4-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
- Before starting, degauss the entire screen.

1. Loosen deflection yoke screw.
2. Position neck ass'y as shown in Fig. 4-1.
3. Adjust purity control as shown in Fig. 4-2.
4. Slide deflection yoke as far forward as it will go.
5. Turn the raster signal of the pattern generator to red.
6. Adjust purity control to center vertical red band as shown in Fig. 4-3.
7. Slide deflection yoke back for a uniform red screen.
8. Check green and blue rasters for uniformity by performing the same way as steps 5,6 and 7.
9. Tighten the deflection yoke screw.
10. Check if mislanding appears at corners a – d as shown in Fig. 4-4. If mislanding is observed, correct it as shown in Fig. 4-4.
11. Confirm that beam landing is correct when the receiver is faced in all directions.



Note: The circled numbers (① – ⑨) show

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. SCREEN and White Balance
4. Focus (RV901)
5. V. CENT Adjustment

Note: Test Equipment Required.
1. Color-bar/Pattern Genertator
2. Degausser

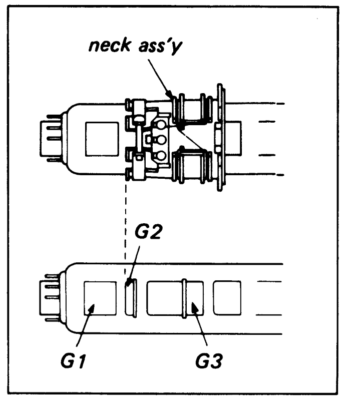

neck ass'y
G2
G1
G3

Fig. 4-1.

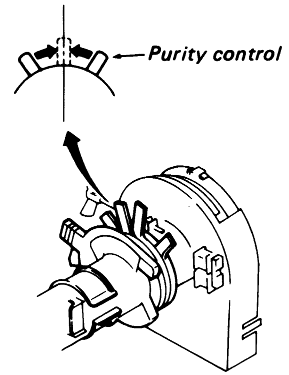

Purity control

Fig. 4-2.

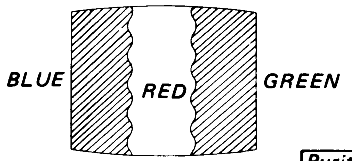
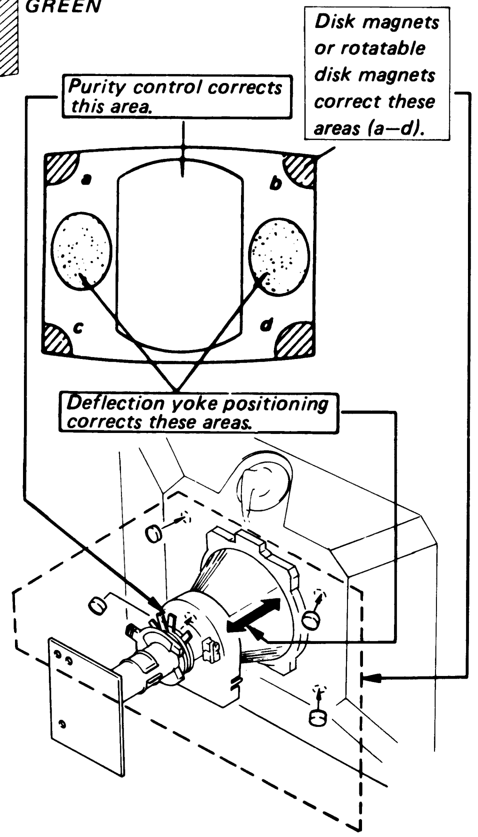

BLUE
RED
GREEN

Fig. 4-3.


Disk magnets or rotatable disk magnets correct these areas (a–d).
Purity control corrects this area.
a
b
c
d
Deflection yoke positioning corrects these areas.

4-2. CONVERGENCE

Preparation:

- Before starting this adjustment, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Turn BRIGHTNESS control fully counterclockwise.
- Feed in a dot signal.

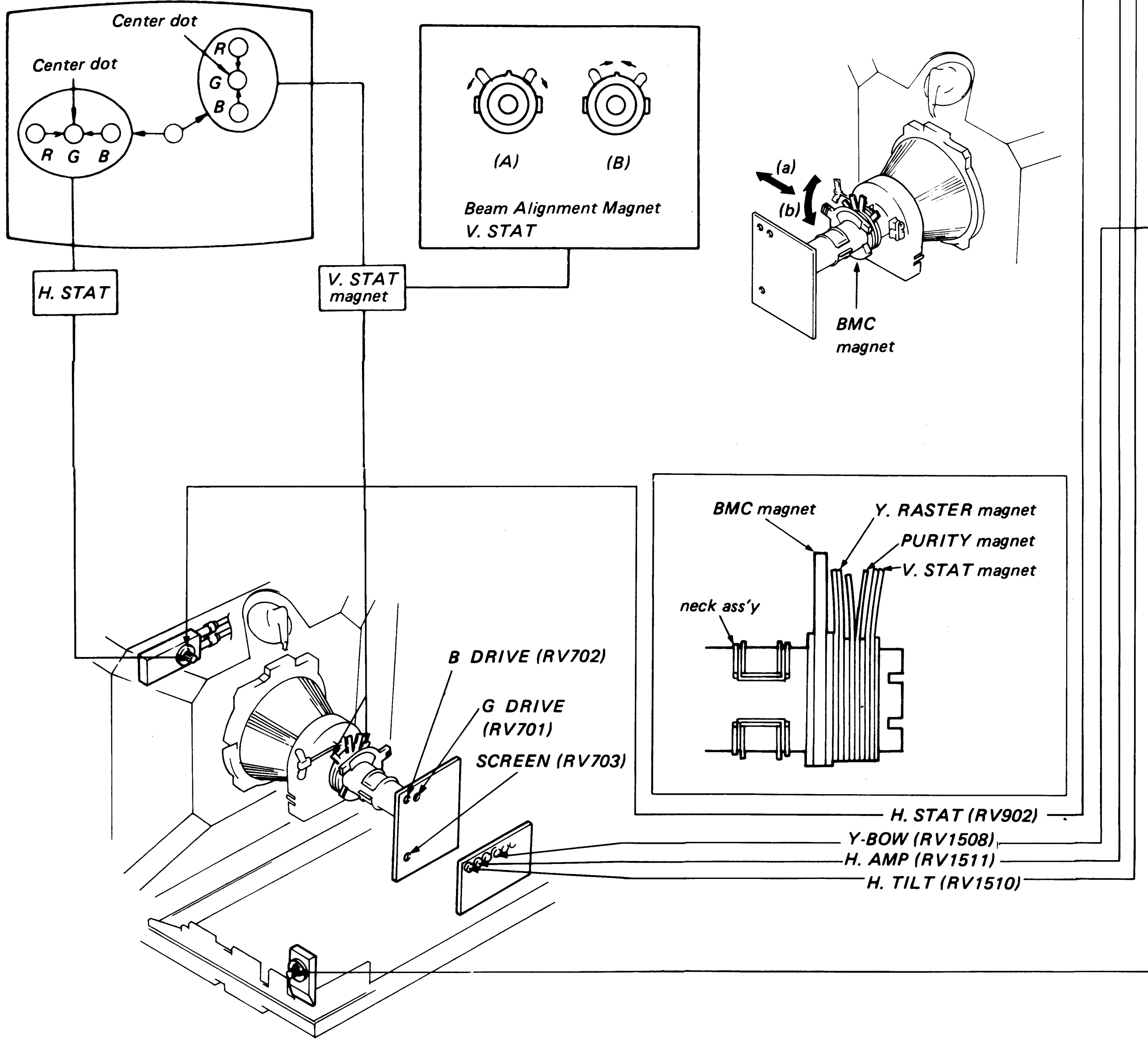
(1) Horizontal and Vertical Static Convergence

If blue dot does not coincide with red and green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.

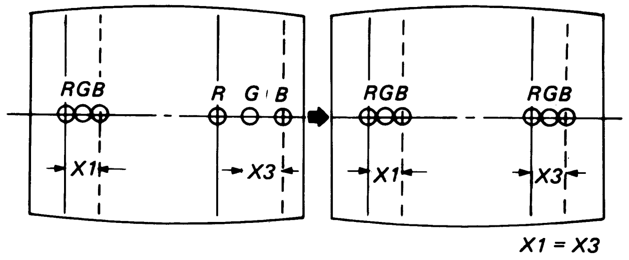

Center dot
Center dot
R G B
R
G
B
H. STAT
V. STAT magnet
(A)
(B)
Beam Alignment Magnet
V. STAT
(a)
(b)
BMC magnet
B DRIVE (RV702)
G DRIVE (RV701)
SCREEN (RV703)
BMC magnet
Y. RASTER magnet
PURITY magnet
V. STAT magnet
neck ass'y
H. STAT (RV902)
Y-BOW (RV1508)
H. AMP (RV1511)
H. TILT (RV1510)

(2) Dynamic Convergence

[Misconvergence at Both Sides of Screen.]

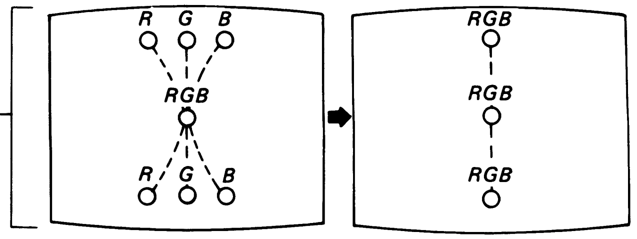
1. Set RV1511 and RV1510 to mechanical center.
2. Adjust H. STAT control so that green and blue dots coincide at center of screen.
3. Adjust RV1510 so that X1 is equal to X3.
4. Adjust RV1511 so that X2 is equal to X3.
5. Repeat above Steps 1 through 4 two or three times.

(B) H. TILT (RV1510)

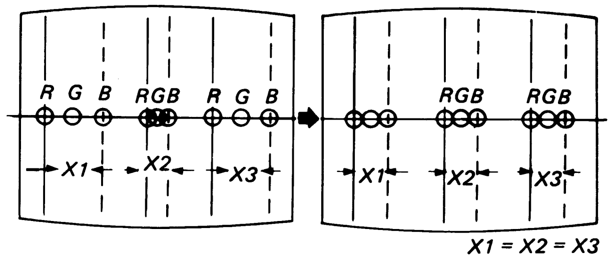

RGB
R G B
RGB
RGB
X1
X3
X1
X3
X1 = X3

[Top and Bottom Misconvergence]

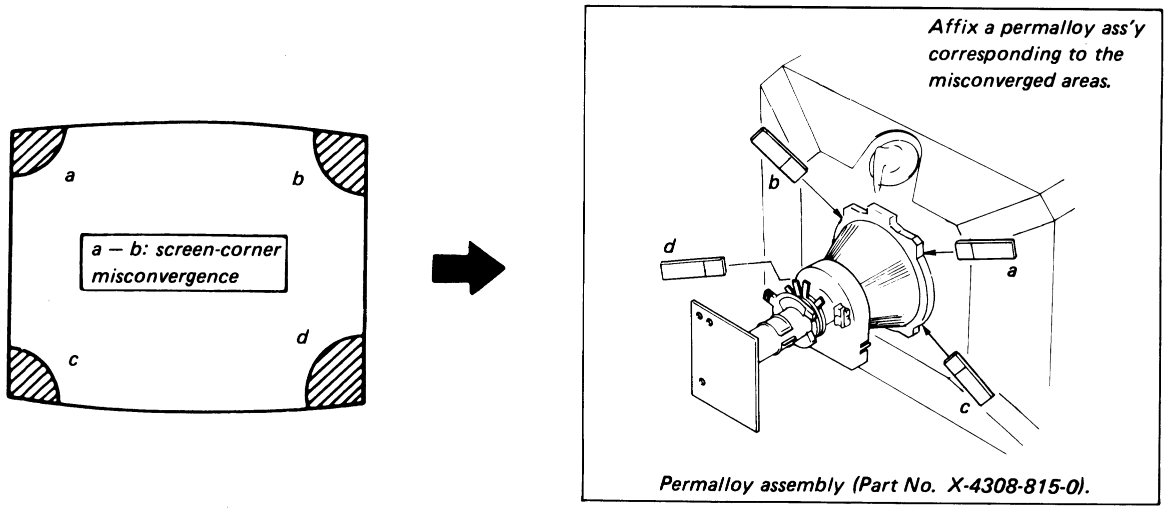
(A) Y. BOW (RV1508)


R G B
RGB
R G B
RGB
RGB
RGB

(C) H. AMP (RV1511)


R G B
RGB
R G B
RGB
RGB
RGB
X1
X2
X3
X1
X2
X3
X1 = X2 = X3

(D) Screen-corner Convergence


a
b
c
d
a – b: screen-corner misconvergence
Affix a permalloy ass'y corresponding to the misconverged areas.
b
d
a
c
Permalloy assembly (Part No. X-4308-815-0).

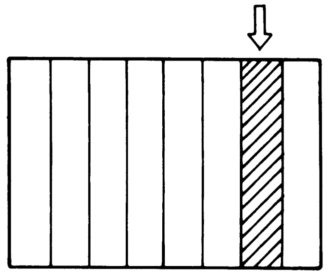
4-3. SCREEN and WHITE BALANCE

(1) SCREEN ADJ.

1. Feed in a dot signal.
2. Set PIC CONTROL, BRT VR's to minimum.
3. Connect external power supply 170V DC to R, G, B cathode.
4. Adjust SCREEN (RV703) to the point where retrace glows faintly.

(2) W/B ADJ.

1. Feed in a color bar.
2. Set: PIC, BRT: MAX
   COL : MIN
3. Adjust B, G DRIVE VR's to get white balance.
4. Set: PIC, COL: MIN
   BRT : CENTER
   Adjust SUB BRT (RV401) to the point where the arrow indicates.



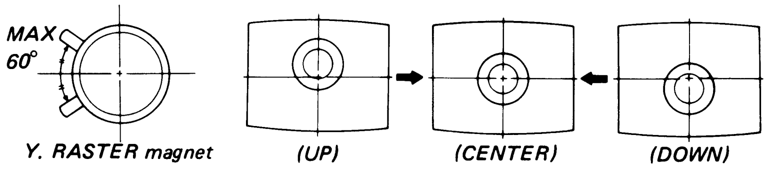
4-4. FOCUS (RV901)

Adjust FOCUS control for a best picture.

4-5. Y. RASTER ADJUSTMENT

1. Before starting, perform H. SIZE, V. SIZE, V. LINE V. CENT VR at center position.
2. Receive monoscope signal.
3. Adjust Y. RASTER magnet so that monoscope pattern is positioned at the center of screen.

Note: The opening angle of Y. RASTER magnet should be within 60°.



(simple Adjustment Method)

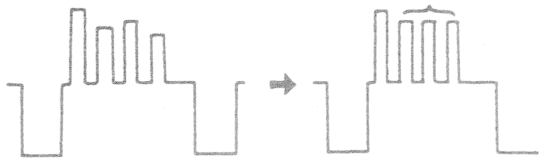
1. Receive an air signal.
2. Set PIC, BRT, COL to MAX.
3. Set B, G DRIVE VR's to mechanical center.
4. Turn SCREEN VR fully to the left and right and adjust to the center of the range over which color does not change.

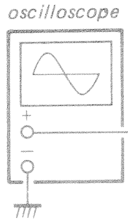
SECTION 5
CIRCUIT ADJUSTMENTS

5-1. D BOARD ADJUSTMENTS

SUB COLOR ADJUSTMENT

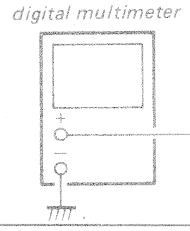
1. *Receive a color-bar signal.*
2. *Set the PICTURE control and COLOR control at normal.*
   (Press ▭ button of REMOTE COMMANDER)
   BRIGHTNESS control . . . . center click
3. *Connect an oscilloscope at pin ⑰ of IC402.*
4. *Adjust RV402 so that same level as shown.*




oscilloscope
+
−

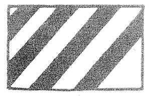
SUB BRIGHT

1. *Receive a dot signal.*
2. *Set the PICTURE control and COLOR control at normal.*
   (Press ▭ button of REMOTE COMMANDER)
   BRIGHTNESS control . . . . center click
3. *Connect and digital multi-meter at pin ⑳ of IC402.*
4. *Adjust RV401 to 1.7 V dc.*

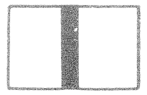

digital multimeter
+
−

H. FREQUENCY

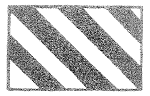
1. *Short circuit between pin ⑤ of IC501 and ground with a jumper wire.*
2. *Adjust H FREQUENCY VR (RV501) for stable picture.*
3. *After completing this adjustment, disconnect a jumper wire from D board.*



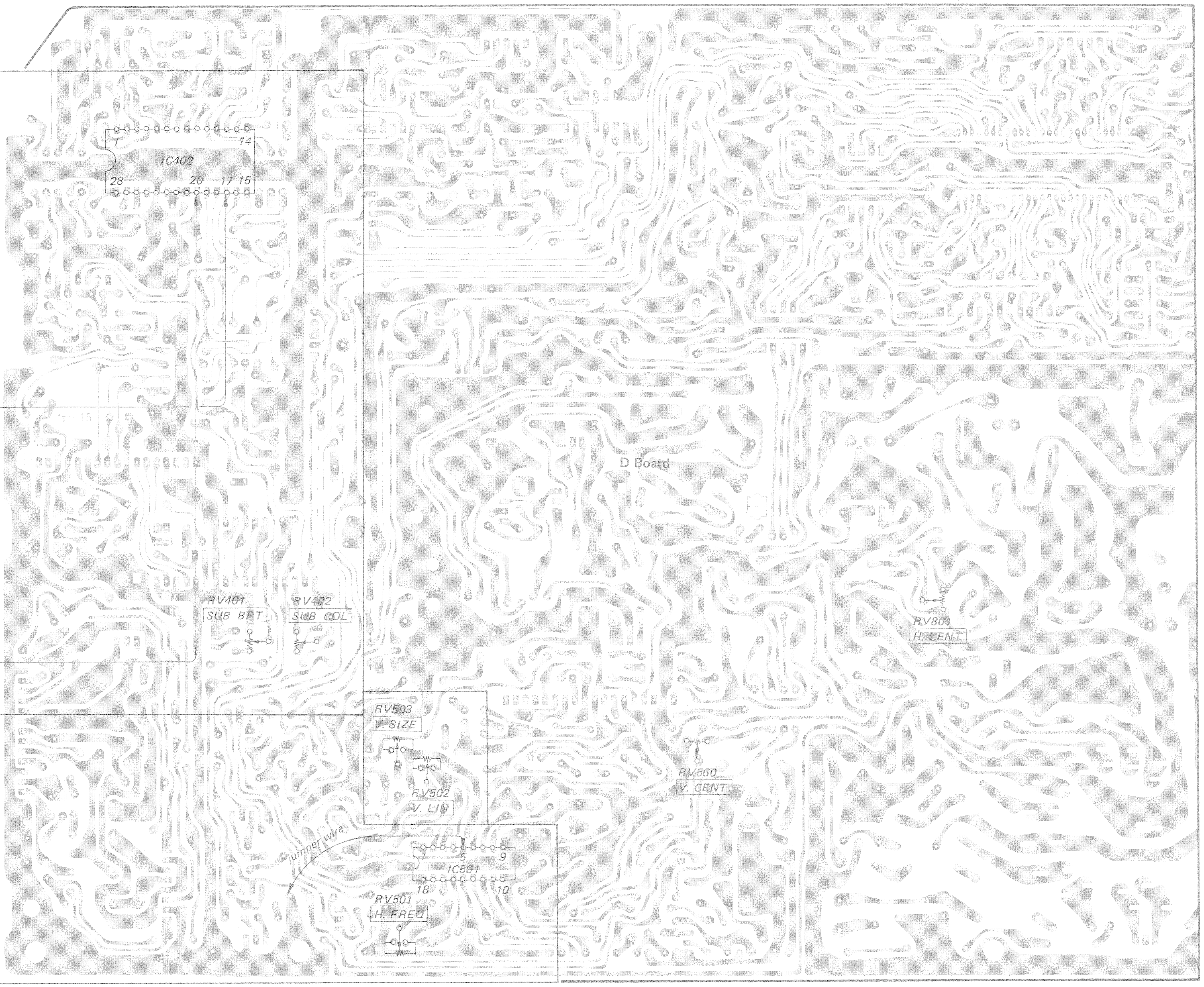
fo: too low



fo: suitable
(fo = 15,700 ±25 Hz)



fo: too high

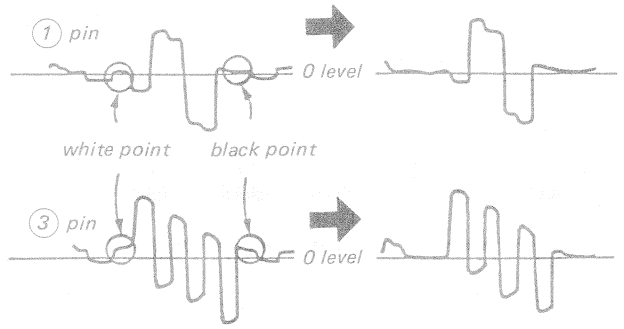

1
14
IC402
28
20
17 15
D Board
RV401
SUB BRT
RV402
SUB COL
RV801
H. CENT
RV503
V. SIZE
RV502
V. LIN
RV560
V. CENT
jumper wire
1
5
9
IC501
18
10
RV501
H. FREQ

5-2.

5-2. D2 BOARD ADJUSTMENTS

SECAM DISCRI ADJUSTMENT

1. *Receive a SECAM color-bar signal.*
2. *Connect an oscillosocpe at pin ① and pin ③ of IC301.*
3. *Adjust L301 and L302 so that white and black point is 0 level.*

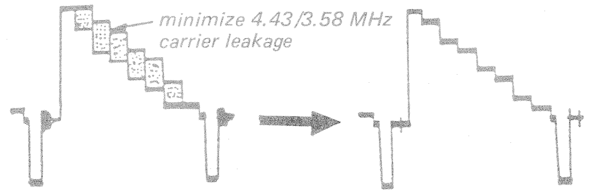

① pin
0 level
white point
black point
③ pin
0 level

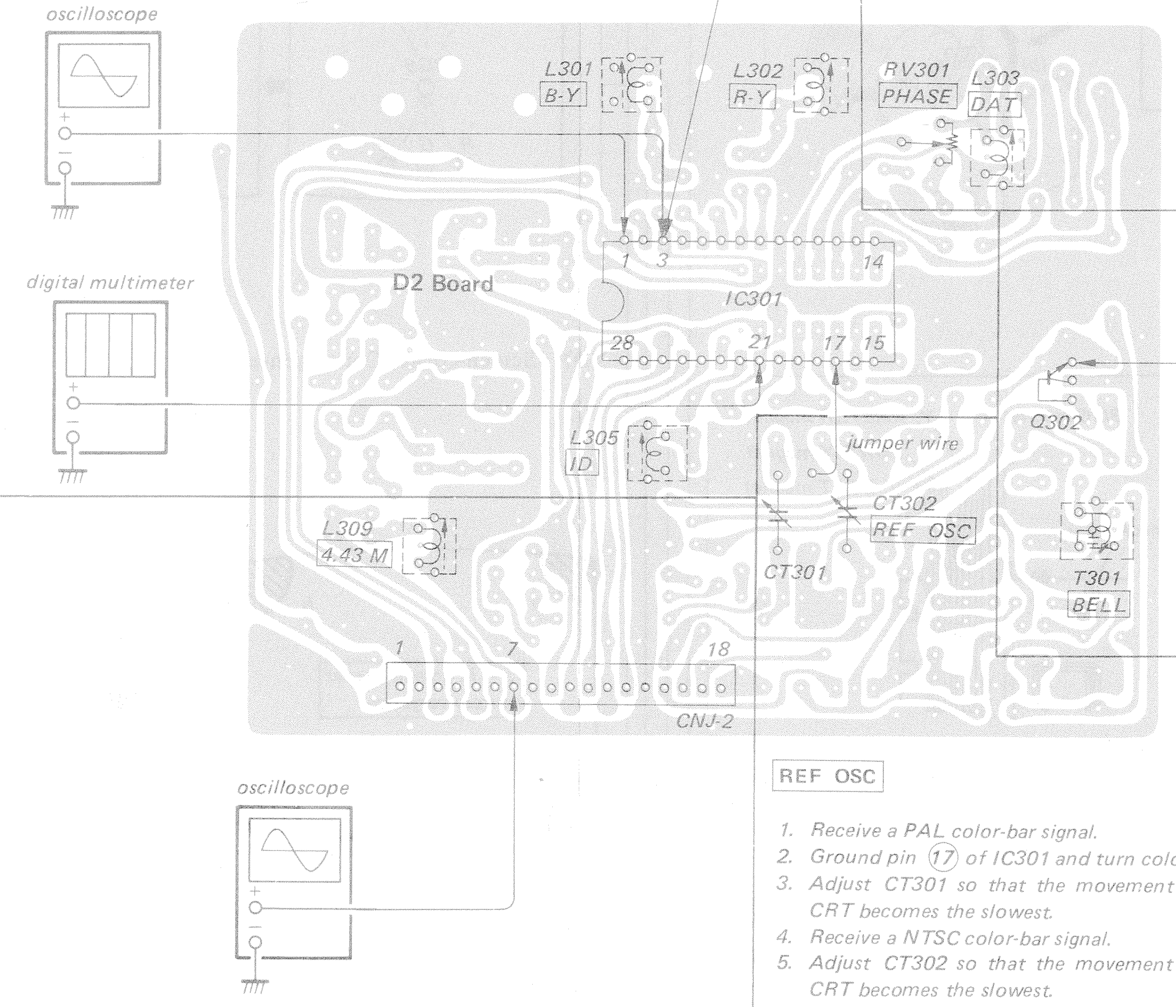
SECAM ID ADJUSTMENT

1. *Receive a SECAM color-bar signal.*
2. *Connect a digital multimeter at pin ㉑ of IC301.*
3. *Adjust L305 to maximum voltage.*

Y TRAP

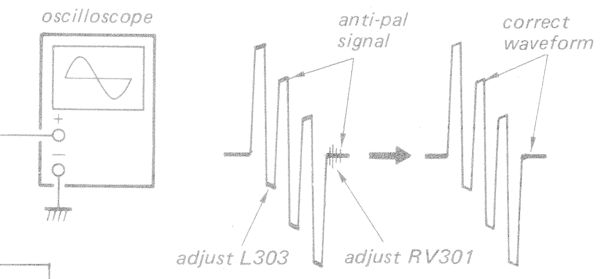
1. *Receive a PAL color-bar signal.*
2. *Observe the pin ⑦ of CNJ-2 waveform on the oscilloscope and adjust L309 for minimum 4.43 MHz component.*
3. *Receive a NTSC color-bar signal.*
4. *Adjust L307 for minimum 3.58 MHz component.*


minimize 4.43/3.58 MHz carrier leakage

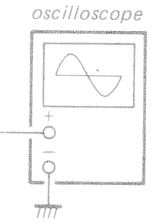

oscilloscope
digital multimeter
D2 Board
L301
B-Y
L302
R-Y
RV301
PHASE
L303
DAT
1
3
14
IC301
28
21
17
15
L305
ID
jumper wire
CT302
REF OSC
CT301
Q302
T301
BELL
L309
4.43 M
1
7
18
CNJ-2
oscilloscope

1H DELAY LINE

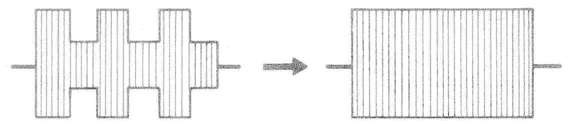
1. *Receive a PAL color-bar signal.*
2. *Set the PICTURE control at normal and COLOR control at minimum.*
3. *Connect an Oscilloscope at pin ③ or IC301.*
4. *Get tracking with both L303 and RV301 as shown the figure.*


oscilloscope
anti-pal signal
correct waveform
adjust L303
adjust RV301

V. BELL ADJUSTMENT


oscilloscope

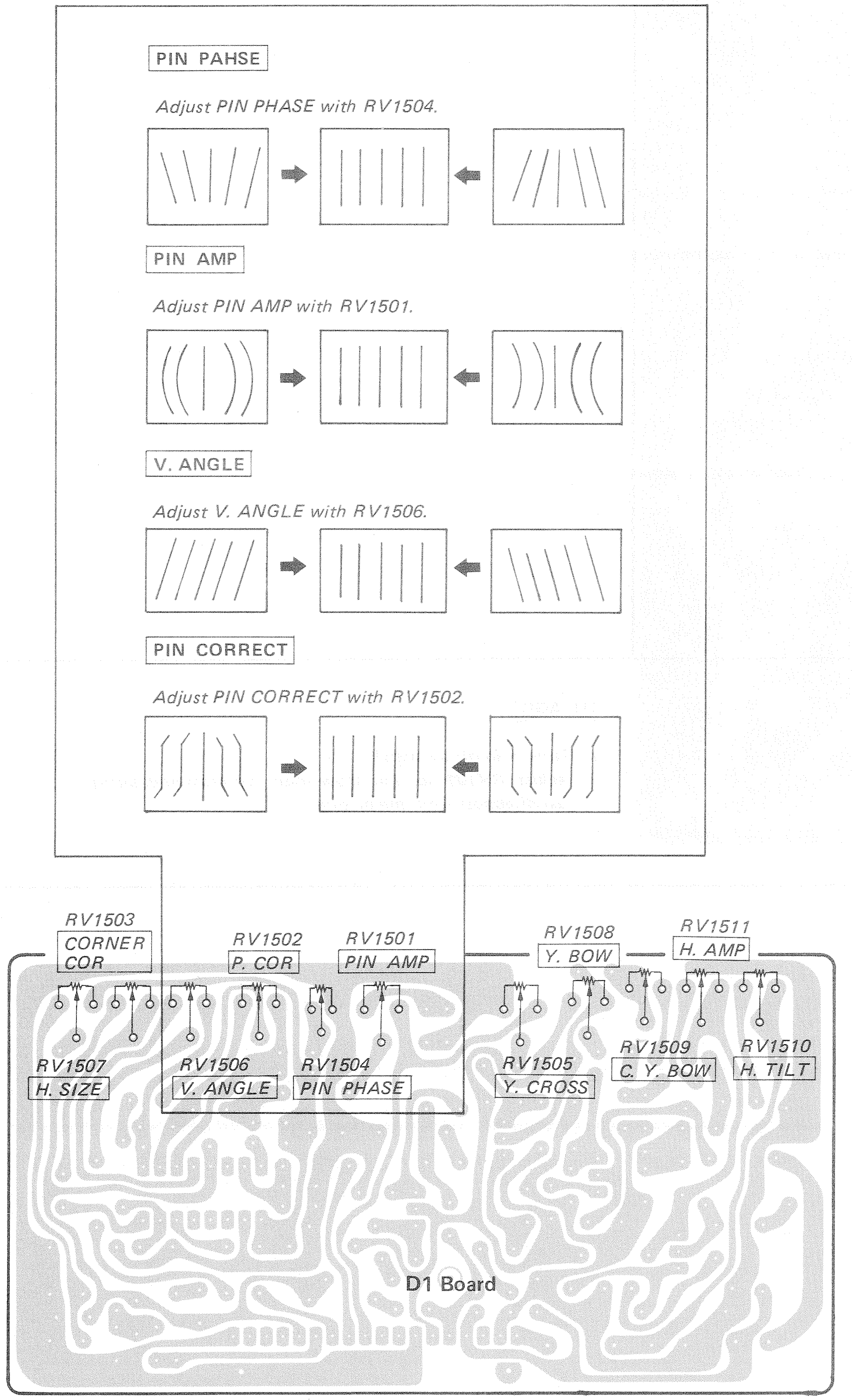
1. *Receive a SECAM color-bar signal.*
2. *Connect an oscilloscope at emitter of Q302.*
3. *Adjust T301 as shown the following figure.*
   Note: Repeat L305 and T301 adjust 2 or 3 times.



REF OSC

1. *Receive a PAL color-bar signal.*
2. *Ground pin ⑰ of IC301 and turn color killer OFF.*
3. *Adjust CT301 so that the movement of picture on the CRT becomes the slowest.*
4. *Receive a NTSC color-bar signal.*
5. *Adjust CT302 so that the movement of picture on the CRT becomes the slowest.*
6. *After completing this adjustment, disconnect a jumper wire from D2 board.*

5-3. D1 BOARD ADJUSTMENTS



PIN PAHSE

Adjust PIN PHASE with RV1504.

PIN AMP

Adjust PIN AMP with RV1501.

V. ANGLE

Adjust V. ANGLE with RV1506.

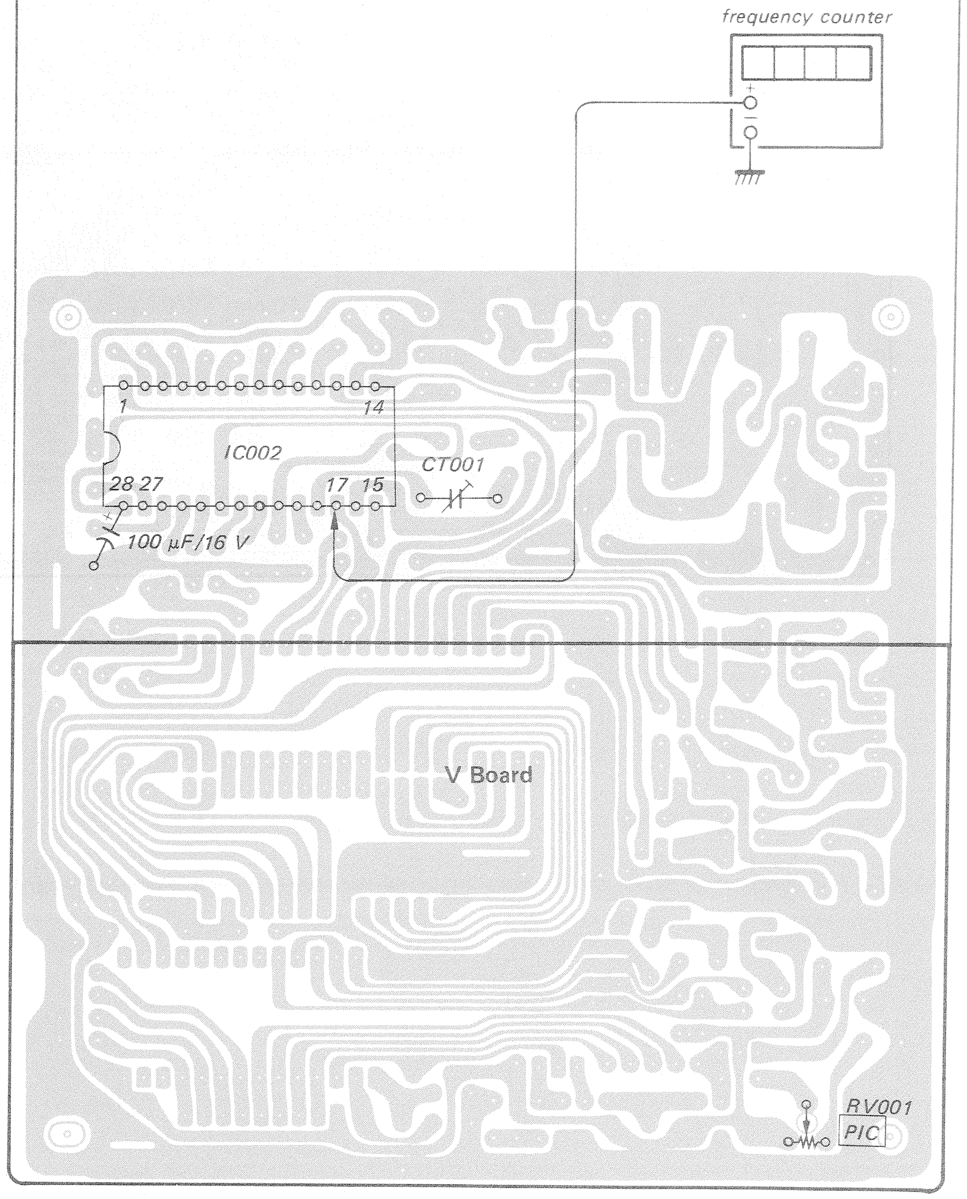
PIN CORRECT

Adjust PIN CORRECT with RV1502.

RV1503
CORNER COR
RV1502
P. COR
RV1501
PIN AMP
RV1508
Y. BOW
RV1511
H. AMP
RV1507
H. SIZE
RV1506
V. ANGLE
RV1504
PIN PHASE
RV1505
Y. CROSS
RV1509
C. Y. BOW
RV1510
H. TILT
D1 Board

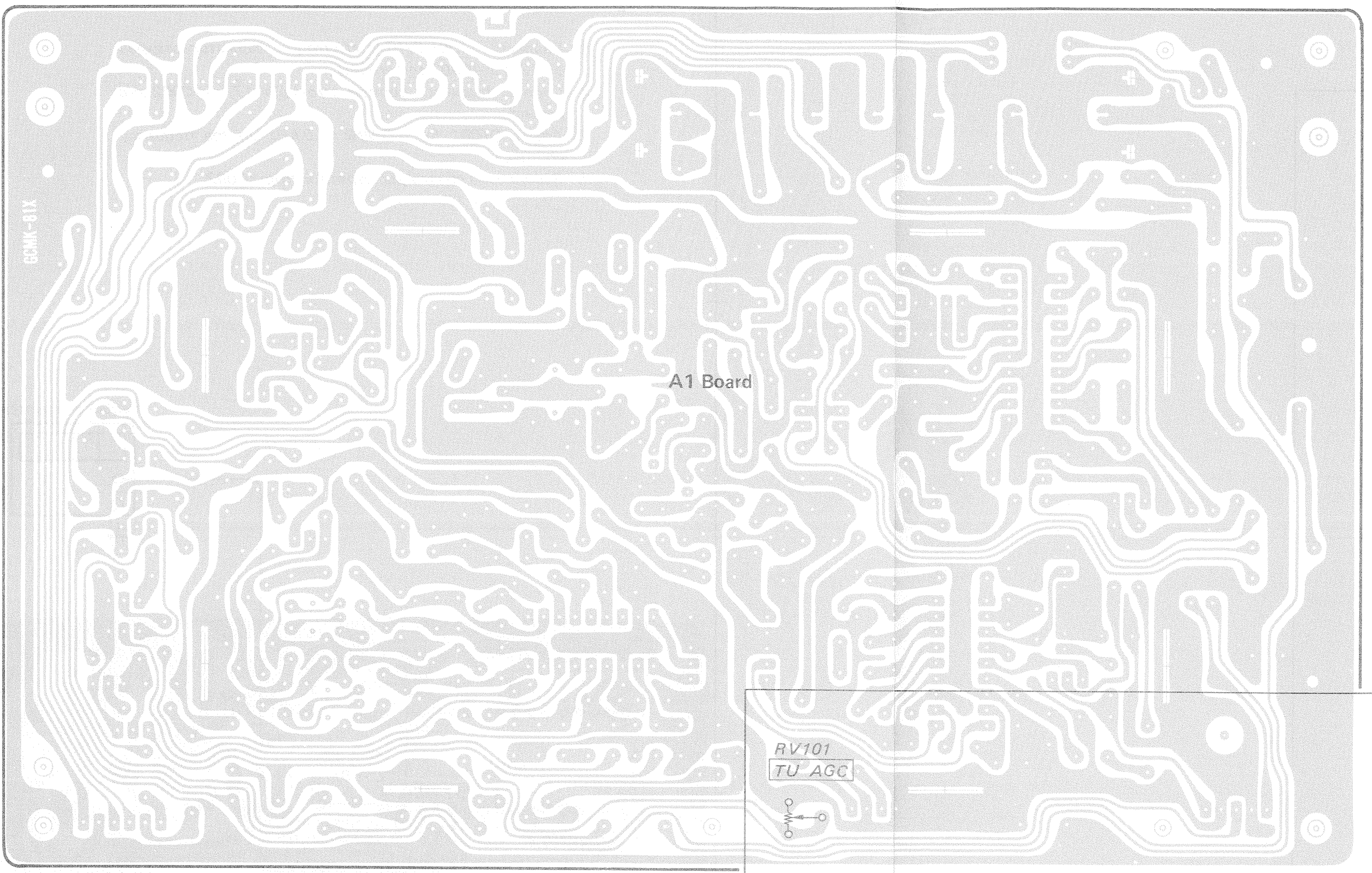
5-4. V BOARD ADJUSTMENT

1. *Connect a 100 μF/16 V electrolytic capacitor between pin ㉗ of IC002 and ground.*
2. *Connect frequency counter across pin ⑰ of IC002 and ground.*
3. *Adjust CT001 for 6.0 MHz ±2.0 kHz on the frequency counter.*
4. *Reconnect a electrolytic capacitor from IC002.*



frequency counter
+
−
1
14
IC002
28 27
17 15
CT001
100 μF/16 V
V Board
RV001
PIC

5-5. A1 BOARD ADJUSTMENT


6CMK-81X
A1 Board
RV101
TU AGC

TU AGC

1. *Turn in an off air signal.*
2. *Adjust RV101 so that snow-noise and crossmodulation just disappear form the picture.*

5-6. A2 BOARD ADJUSTMENTS

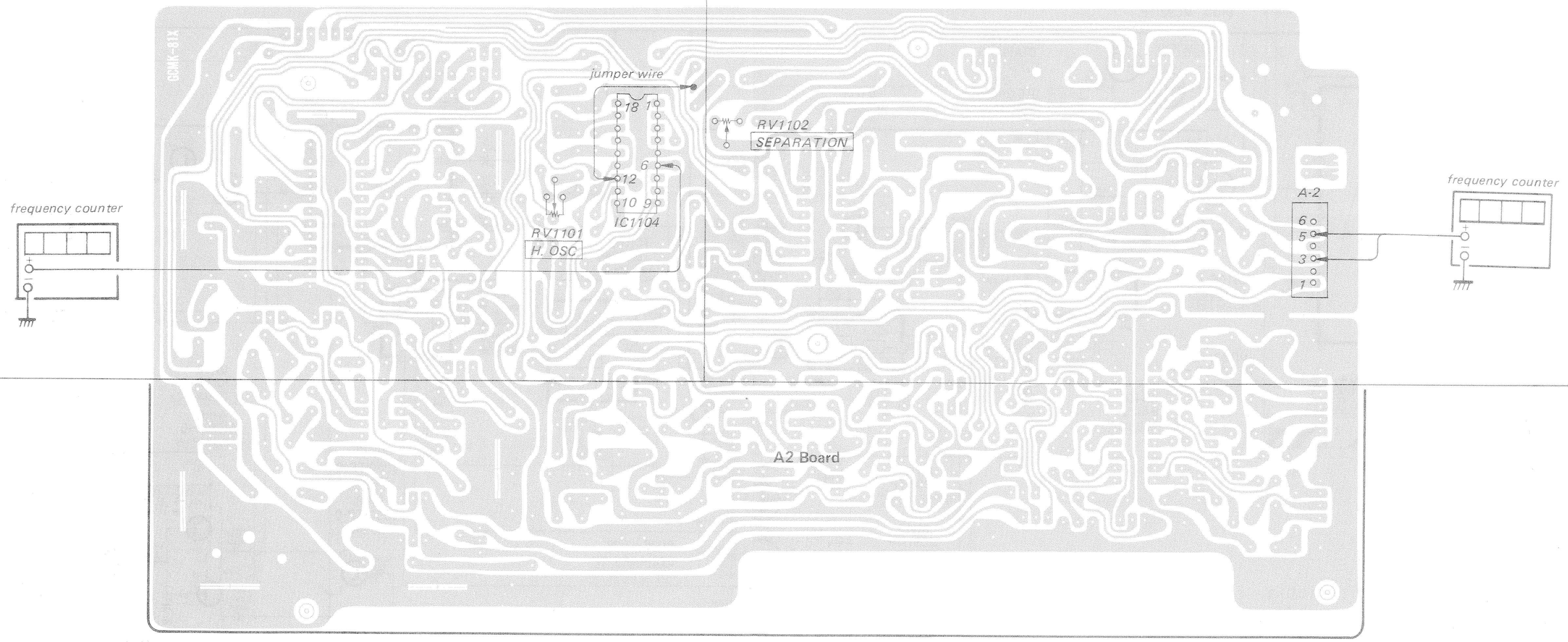
6-1.

H. FREQ

1. Short circuit between pin ⑫ of IC1104 and ground with jumper wire.
2. Receive the PAL color-bar signal.
3. Connect the Frequency counter to pin ⑥ of IC1104.
4. Adjust RV1101 to 15625 ±25 Hz.

STEREO SEPARATION

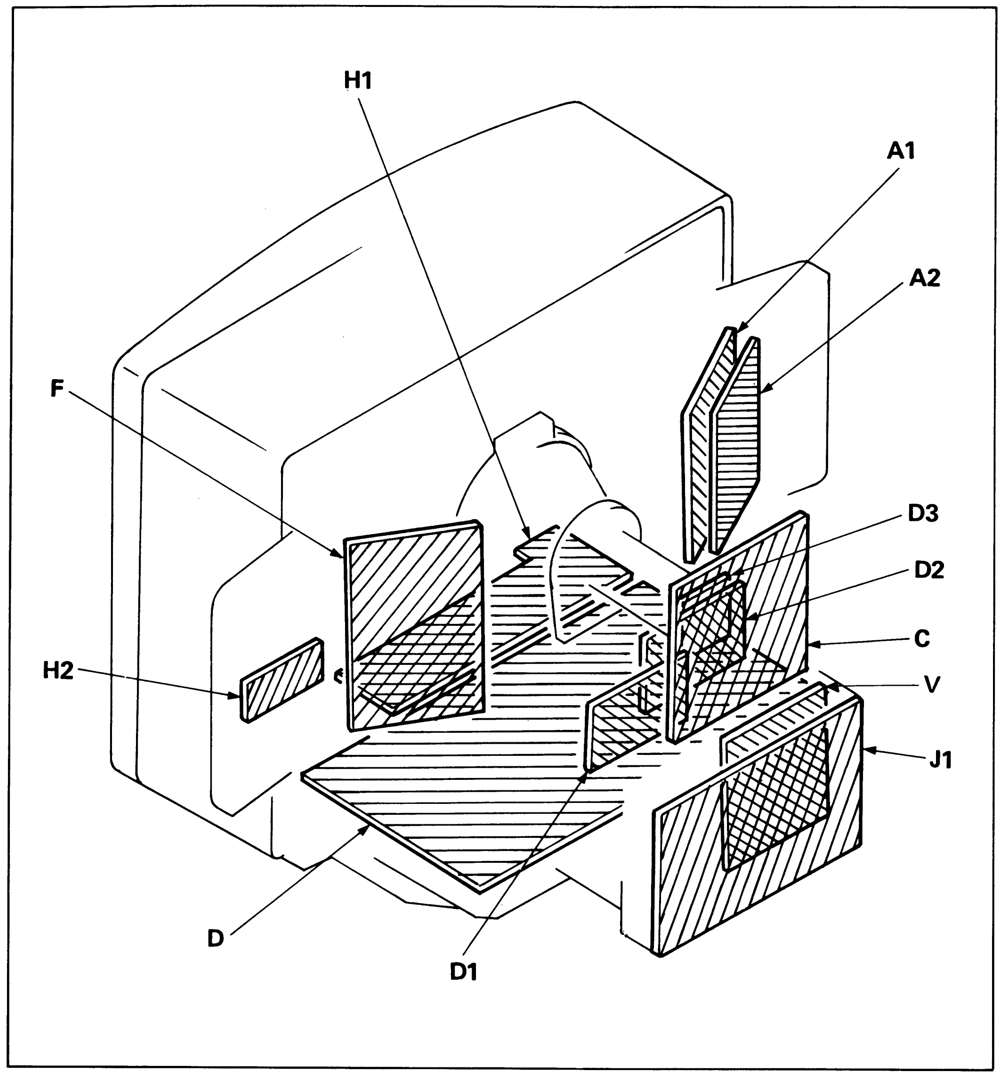
1. Receive a stereo signal (R-CH 1 kHz, L-CH 400 Hz).
2. Confirm the output 1 kHz signal at pin ⑤ of A-2 connector. (R out)
3. Adjust RV1102 so that minimum 1 kHz signal at pin ③ of A-2 connector. (L out)


jumper wire
18
1
6
12
10
9
IC1104
RV1101
H. OSC
RV1102
SEPARATION
frequency counter
A-2
6
5
3
1
frequency counter
A2 Board

KV-27XRTM
RM-664

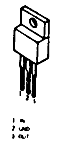
SECTION 6
DIAGRAMS

6-1. CIRCUIT BOARDS LOCATION

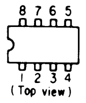

H1
A1
A2
F
D3
D2
C
H2
V
J1
D
D1

6-2. SEMICONDUCTORS

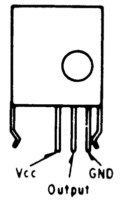
AN78M12R



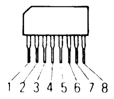
BA4558
HA17558
NJM4558D
TBA129
µPC4558C


8 7 6 5
1 2 3 4
(Top view)

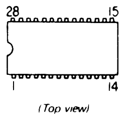
BX1387


Vcc
GND
Output

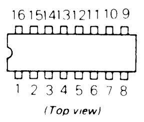
CX20061



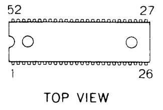
CX20199
MB8441P-T077
SAA5230
TC5564PL-15
TDA3505-V7
TDA4555


28
15
1
14
(Top view)

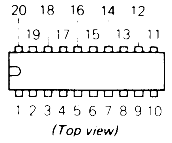
MC74HC4053N
TDA1082


16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
(Top view)

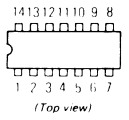
M50436-515SP


52
27
1
26
TOP VIEW

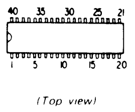
M50761-581P
TDA2460


20 18 16 14 12
19 17 15 13 11
1 2 3 4 5 6 7 8 9 10
(Top view)

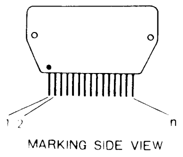
M58655P
TDA4944
µPC13940


14 13 12 11 10 9 8
1 2 3 4 5 6 7
(Top view)

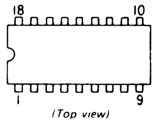
SAA5240


40 35 30 25 21
1 5 10 15 20
(Top view)

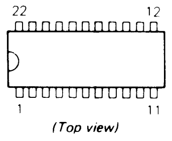
STK4362


1 2
n
MARKING SIDE VIEW

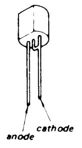
TDA2579
TDA2595
DTA4429T
TDA4560


18
10
1
9
(Top view)

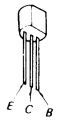
TDA4940


22
12
1
11
(Top view)

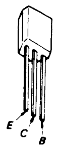
µPC574J


anode
cathode

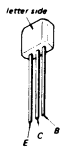
2SA933S
2SA1091
2SC1740
2SC2551
JA101
JC501



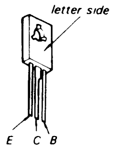
2SA1048-GR
2SA1115
2SC403SP
2SC2603
DTA124ES
DTA143XS
DTA144ES
DTC124ES
DTC144ES



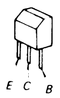
2SA1175
2SC2785


letter side
E C B

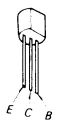
2SA1220A-Q
2SC2611
2SC2688-L
2SC2690A


letter side
E C B

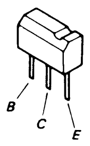
2SB734
2SC2958
2SC2959
2SD773
2SD774



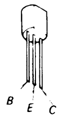
2SB740
2SC1475-13
2SC3504
2SD788
2SD789



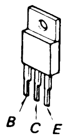
2SC1652



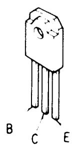
2SC2026



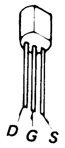
2SD795A-P



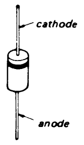
2SD1497-02
2SD1497-06



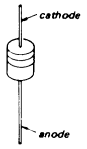
2SK105A-30



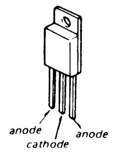
1N4148
1S1555
1SS238
ERD28-06S
ES1F
RD12E-N2
RD13E-B2
RD3.6E-B2
RD3.9E-L2
RD39E-B2
RD5.6E-B2
RD5.6E-B2
RD5.6E-N1
RD5.6E-N2
RD6.2E-N1
RD6.2E-N2
RD6.8E-N1
RD7.5E-N2


cathode
anode

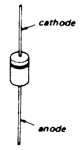
1SS119
1SS133
1SS148
RD3.9ES-B1
RD5.6ES-B2
RD8.2ES-B2


cathode
anode

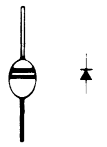
CTU12S
ESAB82-004


anode
cathode
anode

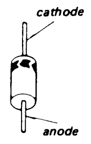
EQB01-13


cathode
anode

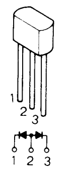
ERC26-15S



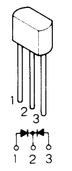
ERD29-08J


cathode
anode

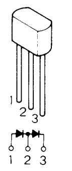
MC911



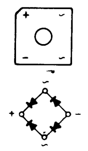
MC921



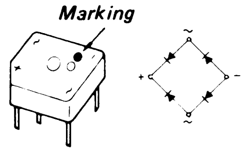
MC931



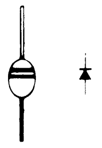
RB406NH



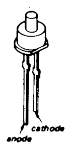
S3WB60Z



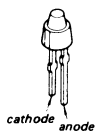
V19E



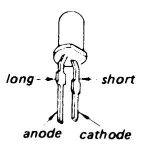
GL-2AR1


cathode
anode

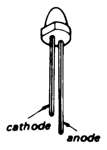
SLP144B


cathode
anode

TLR124


long
short
anode
cathode

TLUR144

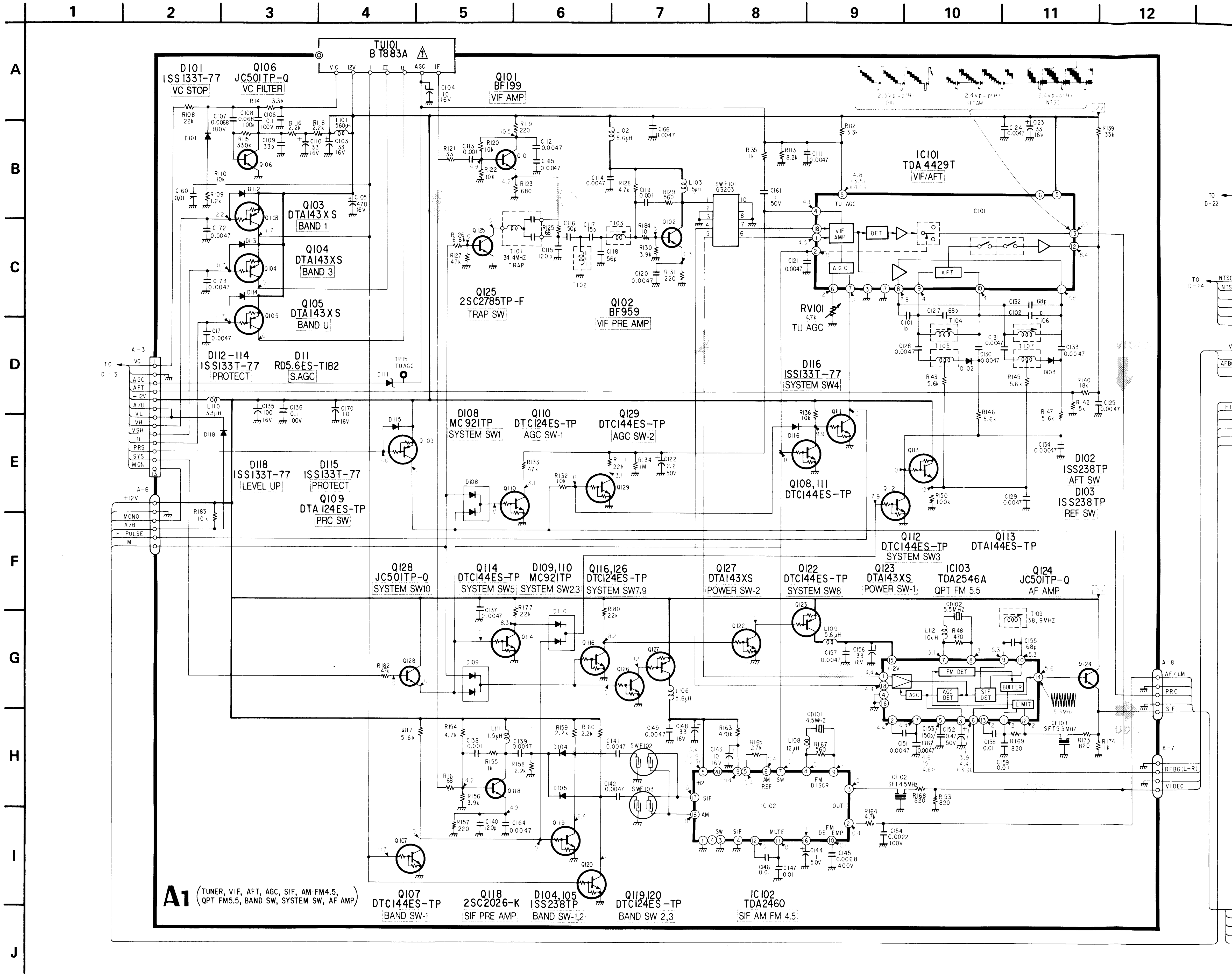

cathode
anode

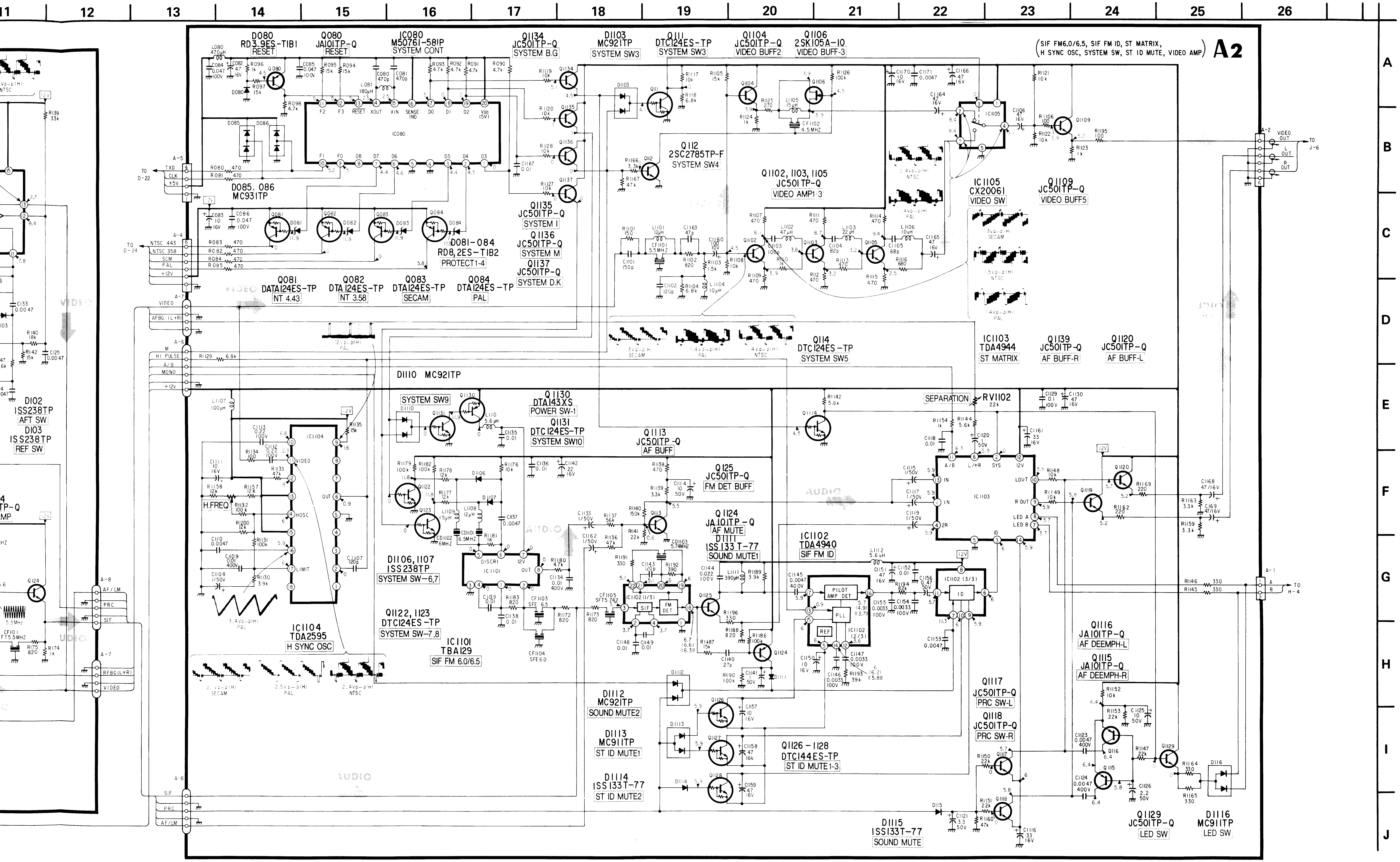
6-3. SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/6W unless otherwise noted. k: 1000 Ω; M: 1000 kΩ
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- △ : internal component.
- ▭ : nonflammable resistor.
- ∿ : fusible resistor.
- ▭ : panel designation.
- ▭ : adjustment for repair.
- All voltage are in V.
- ━━ : B+ bus.
- ╍╍ : B– bus.
- no mark : PAL
  ( ): SECAM
  (( )): NTSC 3.58
- Voltages are dc with respect to ground unless otherwise.
- Readings are taken with a 10 MΩ digital multimeter.
- Readings are taken with a colour-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- ⇨ : signal path.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.


1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H
I
J
TU101
BT883A
VC 12V I III U AGC IF
D101 ISS133T-77 VC STOP
Q106 JC501TP-Q VC FILTER
Q101 BF199 VIF AMP
IC101 TDA4429T VIF/AFT
Q103 DTA143XS BAND 1
Q104 DTA143XS BAND 3
Q105 DTA143XS BAND U
Q125 2SC2785TP-F TRAP SW
Q102 BF959 VIF PRE AMP
SWF101 G3203
T101 34.4MHZ TRAP
T102
T103
VIF AMP
DET
AGC
AFT
RV101 4.7k TU AGC
D112-114 ISS133T-77 PROTECT
D11 RD5.6ES-TIB2 S.AGC
TP15 TUAGC
D116 ISS133T-77 SYSTEM SW4
D108 MC921TP SYSTEM SW1
Q110 DTC124ES-TP AGC SW-1
Q129 DTC144ES-TP AGC SW-2
D118 ISS133T-77 LEVEL UP
D115 ISS133T-77 PROTECT
Q109 DTA124ES-TP PRC SW
Q108,111 DTC144ES-TP
D102 ISS238TP AFT SW
D103 ISS238TP REF SW
Q112 DTC144ES-TP SYSTEM SW3
Q113 DTA144ES-TP
Q128 JC501TP-Q SYSTEM SW10
Q114 DTC144ES-TP SYSTEM SW5
D109,110 MC921TP SYSTEM SW2,3
Q116,126 DTC124ES-TP SYSTEM SW7,9
Q127 DTA143XS POWER SW-2
Q122 DTC144ES-TP SYSTEM SW8
Q123 DTA143XS POWER SW-1
IC103 TDA2546A QPT FM 5.5
Q124 JC501TP-Q AF AMP
FM DET
AGC DET
SIF DET
BUFFER
LIMIT
CF101 SFT5.5MHZ
CF102 SFT4.5MHz
CD101 4.5MHz
CD102 5.5MHz
T109 38.9MHZ
IC102
SIF AM
FM DISCRI
MUTE
FM DE EMP
OUT
A1 (TUNER, VIF, AFT, AGC, SIF, AM·FM4.5, QPT FM5.5, BAND SW, SYSTEM SW, AF AMP)
Q107 DTC144ES-TP BAND SW-1
Q118 2SC2026-K SIF PRE AMP
D104,105 ISS238TP BAND SW-1,2
Q119,120 DTC124ES-TP BAND SW 2,3
IC102 TDA2460 SIF AM FM 4.5
A-3
TO D-13
VC
AGC
AFT
+12V
A/B
VL
VH
VSH
U
PRS
SYS
MON
A-6
+12V
MONO
A/B
H PULSE
M
A-8
AF/LM
PRC
SIF
A-7
RFBG(L+R)
VIDEO
TO D-22
TO D-24
2.5Vp-p(H) PAL
2.4Vp-p(H) SECAM
2.4Vp-p(H) NTSC


11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
A
B
C
D
E
F
G
H
I
J
A2
(SIF FM6.0/6.5, SIF FM ID, ST MATRIX, H SYNC OSC, SYSTEM SW, ST ID MUTE, VIDEO AMP)
D080 RD3.9ES-TIB1 RESET
Q080 JA101TP-Q RESET
IC080 M50761-581P SYSTEM CONT
Q1134 JC501TP-Q SYSTEM B.G
D1103 MC921TP SYSTEM SW3
Q111 DTC124ES-TP SYSTEM SW3
Q1104 JC501TP-Q VIDEO BUFF2
Q1106 2SK105A-10 VIDEO BUFF-3
Q112 2SC2785TP-F SYSTEM SW4
Q1102, 1103, 1105 JC501TP-Q VIDEO AMP1-3
IC1105 CX20061 VIDEO SW
Q1109 JC501TP-Q VIDEO BUFF5
D085, 086 MC931TP
Q1135 JC501TP-Q SYSTEM I
Q1136 JC501TP-Q SYSTEM M
Q1137 JC501TP-Q SYSTEM D.K
D081-084 RD8.2ES-T1B2 PROTECT1-4
Q081 DATA124ES-TP NT 4.43
Q082 DTA124ES-TP NT 3.58
Q083 DTA124ES-TP SECAM
Q084 DTA124ES-TP PAL
TO D-22
TO D-24
TXD
CLK
+5V
NTSC 443
NTSC 358
SCM
PAL
+12V
VIDEO
AFBG (L+R)
HI PULSE
A/B
MONO
Q114 DTC124ES-TP SYSTEM SW5
IC1103 TDA4944 ST MATRIX
Q1139 JC501TP-Q AF BUFF-R
Q1120 JC501TP-Q AF BUFF-L
D1110 MC921TP
Q1130 DTA143XS POWER SW-1
Q1131 DTC124ES-TP SYSTEM SW10
SYSTEM SW9
Q1113 JC501TP-Q AF BUFF
Q125 JC501TP-Q FM DET BUFF
Q1124 JA101TP-Q AF MUTE
D1111 1SS133T-77 SOUND MUTE1
IC1102 TDA4940 SIF FM ID
SEPARATION RV1102 22k
IC1104 TDA2595 H SYNC OSC
IC1101 TBA129 SIF FM 6.0/6.5
D1106, 1107 1SS238TP SYSTEM SW-6,7
Q1122, 1123 DTC124ES-TP SYSTEM SW-7,8
D102 1SS238TP AFT SW
D103 1SS238TP REF SW
H.FREQ
D1112 MC921TP SOUND MUTE2
D1113 MC911TP ST ID MUTE1
D1114 1SS133T-77 ST ID MUTE2
Q1126-1128 DTC144ES-TP ST ID MUTE1-3
Q1116 JA101TP-Q AF DEEMPH-L
Q1115 JA101TP-Q AF DEEMPH-R
Q1117 JC501TP-Q PRC SW-L
Q1118 JC501TP-Q PRC SW-R
D1115 1SS133T-77 SOUND MUTE
Q1129 JC501TP-Q LED SW
D1116 MC911TP LED SW
PILOT AMP DET
PLL
REF
ID
SIF
FM DET
DISCRI
VIDEO OUT
L OUT
R OUT
TO J-6
TO H-4
AF/LM
PRC
SIF
RFBG(L+R)
2.4Vp-p(H) SECAM
2.5Vp-p(H) PAL
2.4Vp-p(H) NTSC
3.4Vp-p(H) PAL
5.5MHz

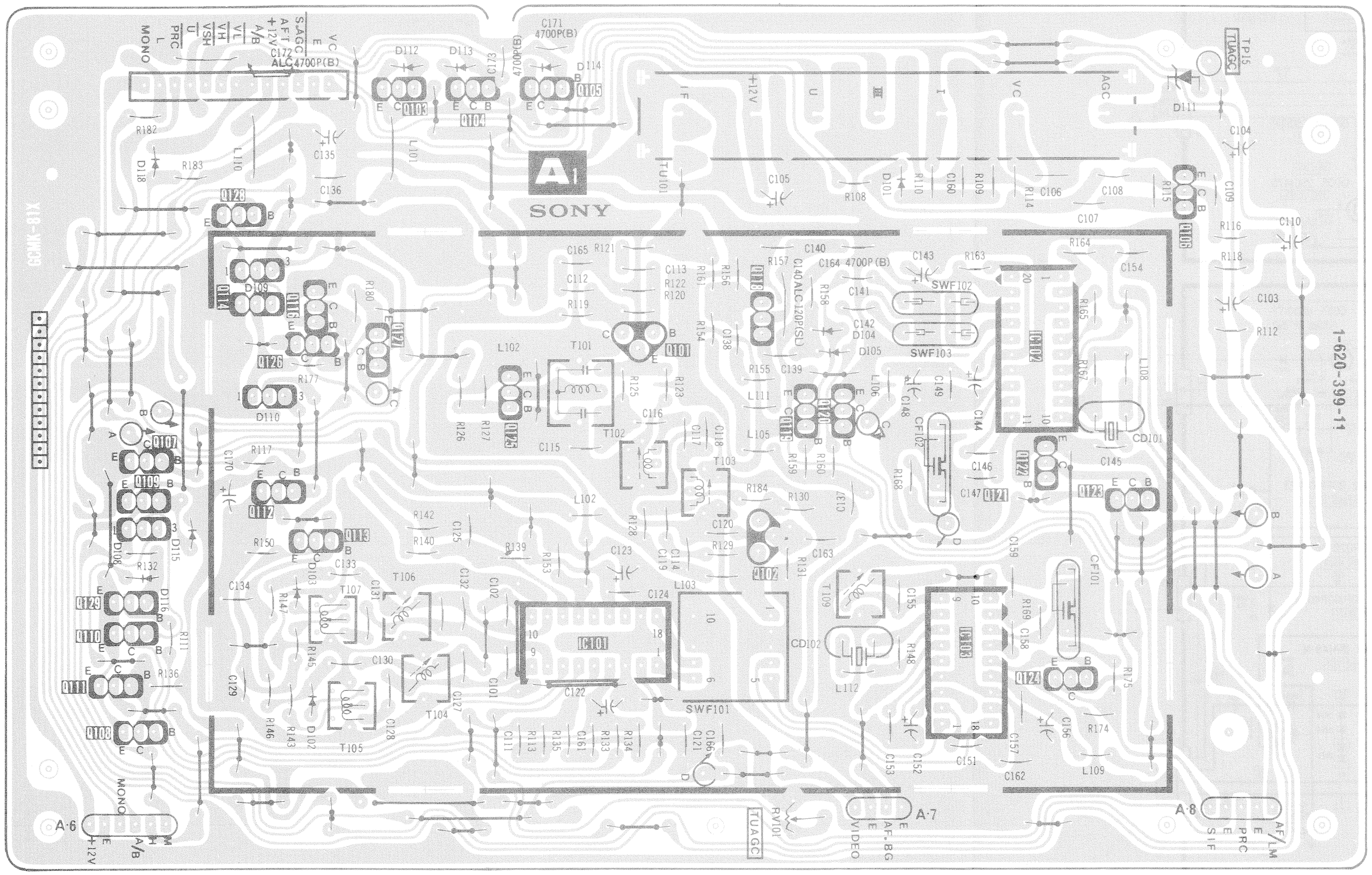
6-4. PRINTED WIRING BOARDS
— Conductor Side —

A1 [TUNER, VIF, AFT, AGC, SIF AM, FM4.5, QPT FM5.5 BAND SW, SYSTEM SW, AF AMP]

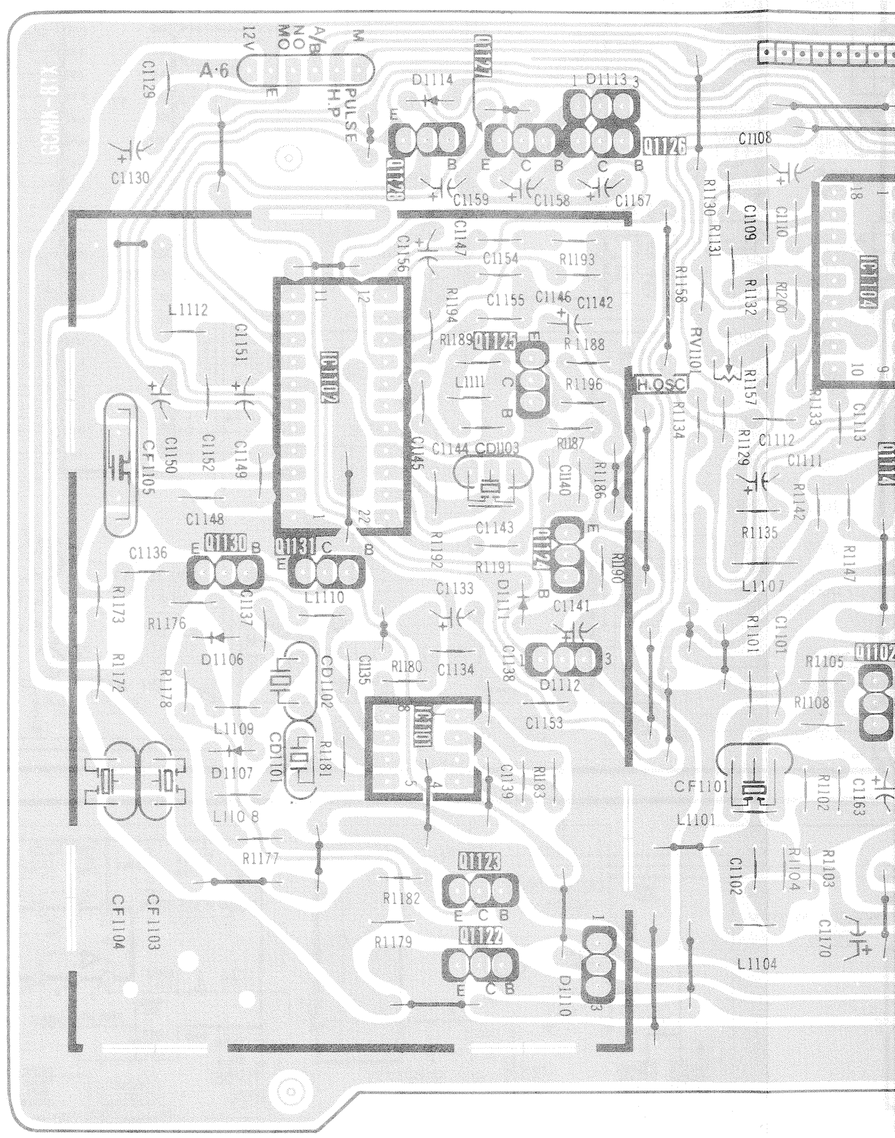
A2 [SIF FM 6.0/6.5, SIF FM ID, ST MATRIX, H.SYNC OSC, SYSTEM SW, ST ID MUTE, VIDEO AMP]

— A1 Board —

	1	2	3	4	5	6	7	8	9	10	11
Q IC		107 128 109 129 114 110 111 108	116 126 112 113	127	125	101 IC101	118 119, 120 102		IC102 122 IC103 124	106 123	
D		118 108 115 116	109 110 103 102	112 113	114			101 104 105		111	
ADJ											


A1
SONY
GCMK-81X
1-620-399-11
MONO L PRC U VSH VH VL A/B +12V AFT S.AGC E VC
TP15 TUAGC
IC101
IC102
IC103
A-6 +12V E A/B
MONO
A-7 VIDEO E AF.BG
A-8 SIF E PRC E AF/LM
TUAGC RV101

— A2 Board —


GCMK-81X
A-6
12V A/B NO MO M E PULSE HP
IC1102
IC1101
H.OSC
RV1101

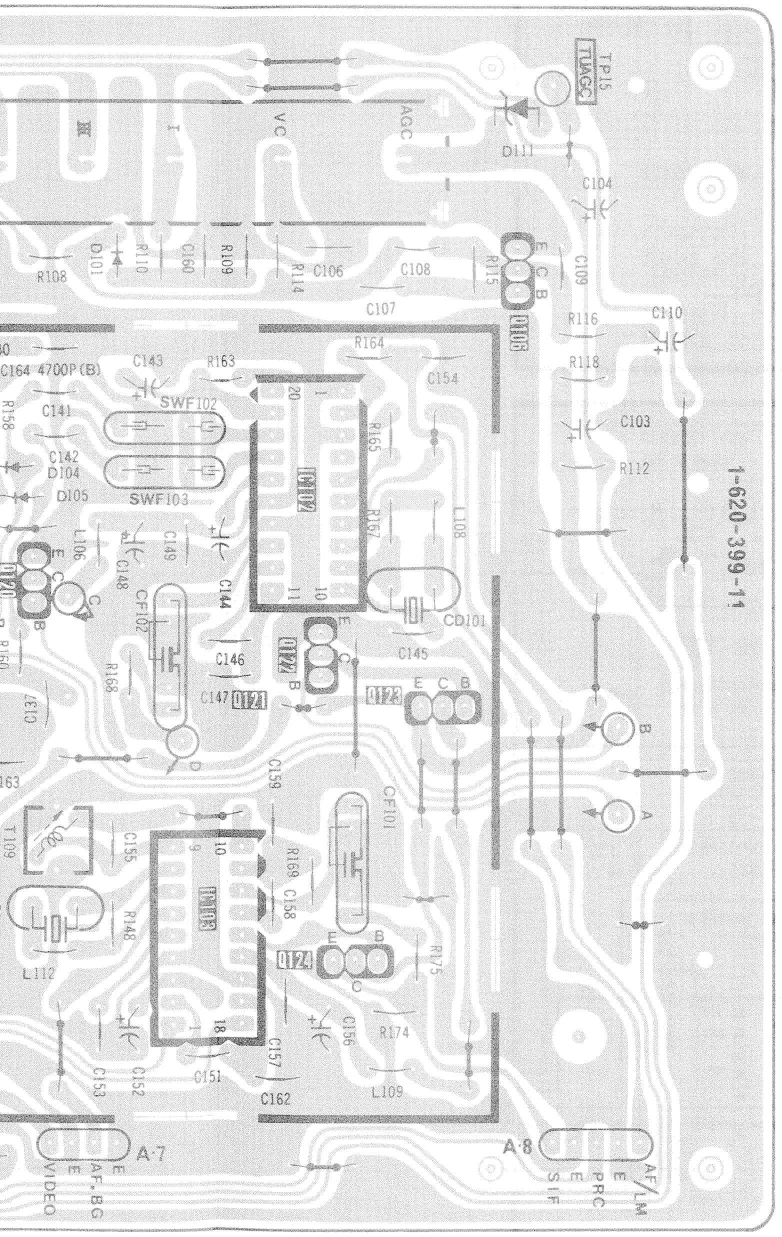
	13	14	15	16
Q IC	1130	1128 IC1102 1131 IC1101	1127 1126 1125 1124 1123 1122	IC110 11 1102 11
	1106 1107	1114	1113 1111, 1112 1110	
ADJ				RV101

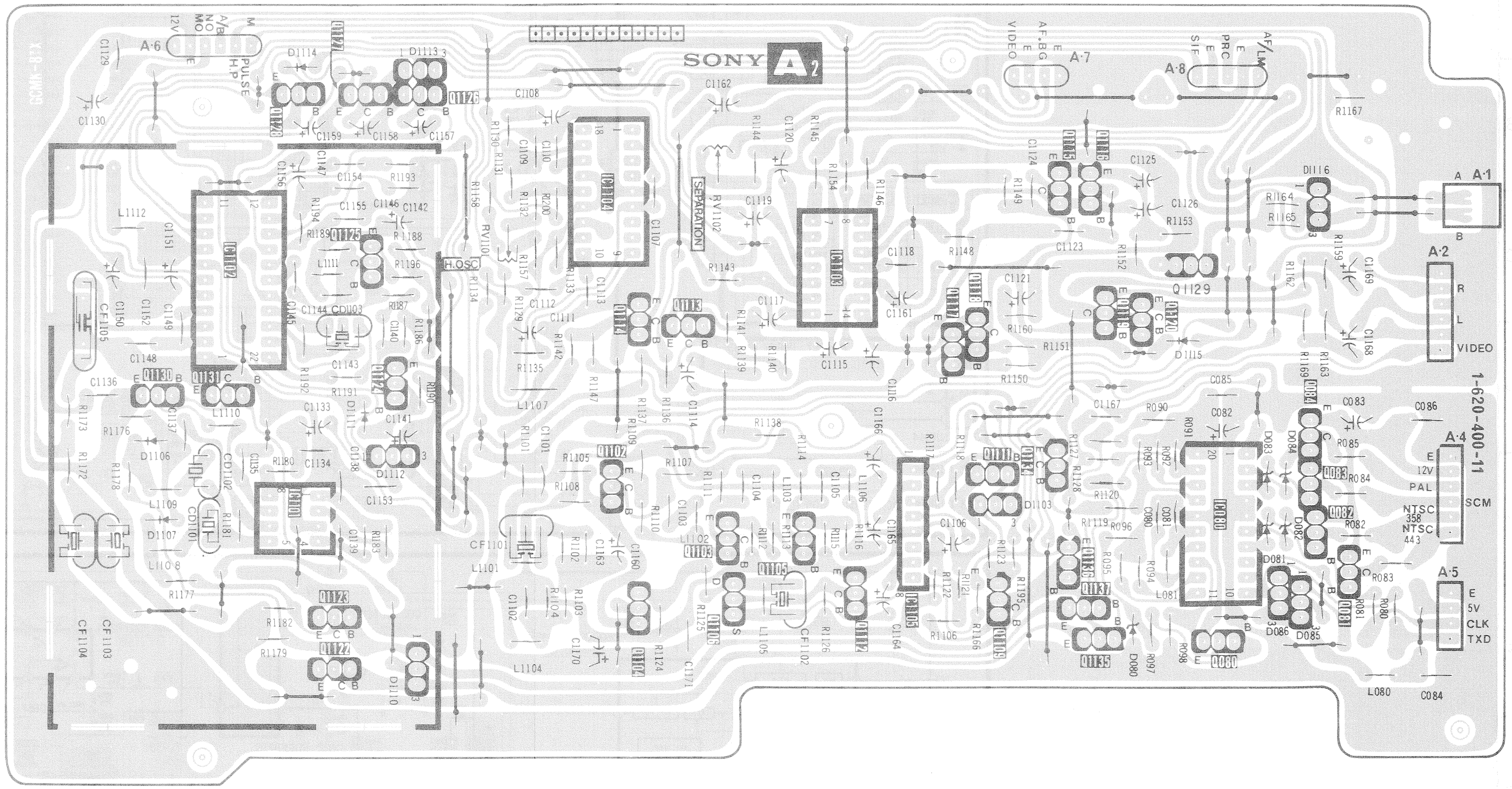
A2 SIF FM 6.0/6.5, SIF FM ID,
ST MATRIX, H.SYNC OSC,
SYSTEM SW, ST ID MUTE, VIDEO AMP

7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23

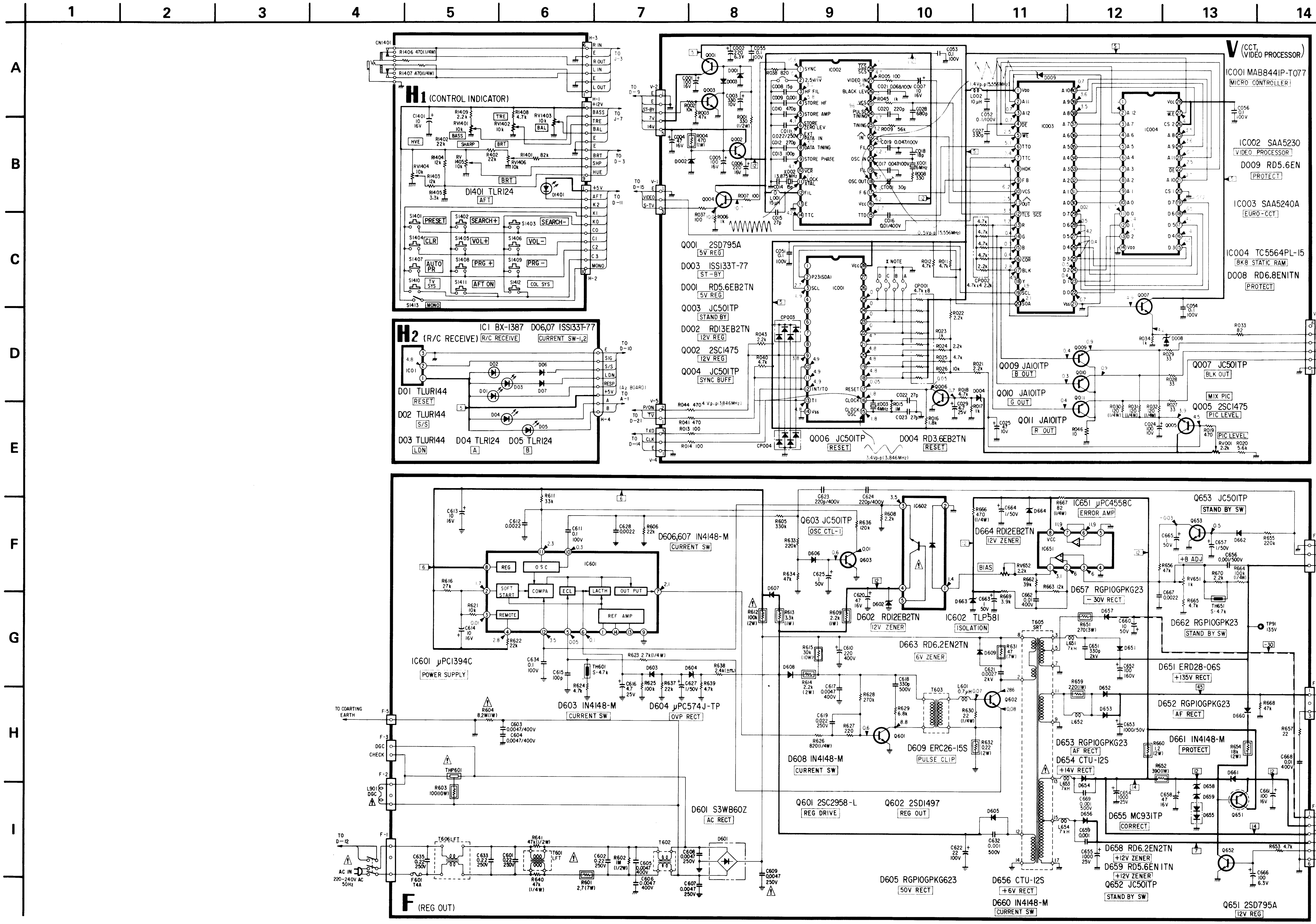
— A2 Board —

9, 120
IC 102
122
123
IC 103
124
106
101
111
104
105


TP15
TUAGC
AGC
VC
D111
D101
Q108
Q102
Q103
Q121
Q122
Q123
Q124
SWF102
SWF103
CD101
CF101
CF102
1-620-399-11
A-7
VIDEO
AF.BG
A-8
SIF
PRC
AF/LM


SONY
A2
A-6
12V
MONO
A/B
M
PULSE
H.P
A-7
VIDEO
AF.BG
A-8
SIF
PRC
AF/LM
A-1
A-2
R
L
VIDEO
A-4
12V
PAL
NTSC 358
NTSC 443
SCM
A-5
5V
CLK
TXD
1-620-400-11
SEPARATION
RV1102
RV1101
H.OSC
IC1101
IC1102
IC1103
IC1104
IC1105
IC080
CF1101
CF1102
CF1103
CF1104
CF1105

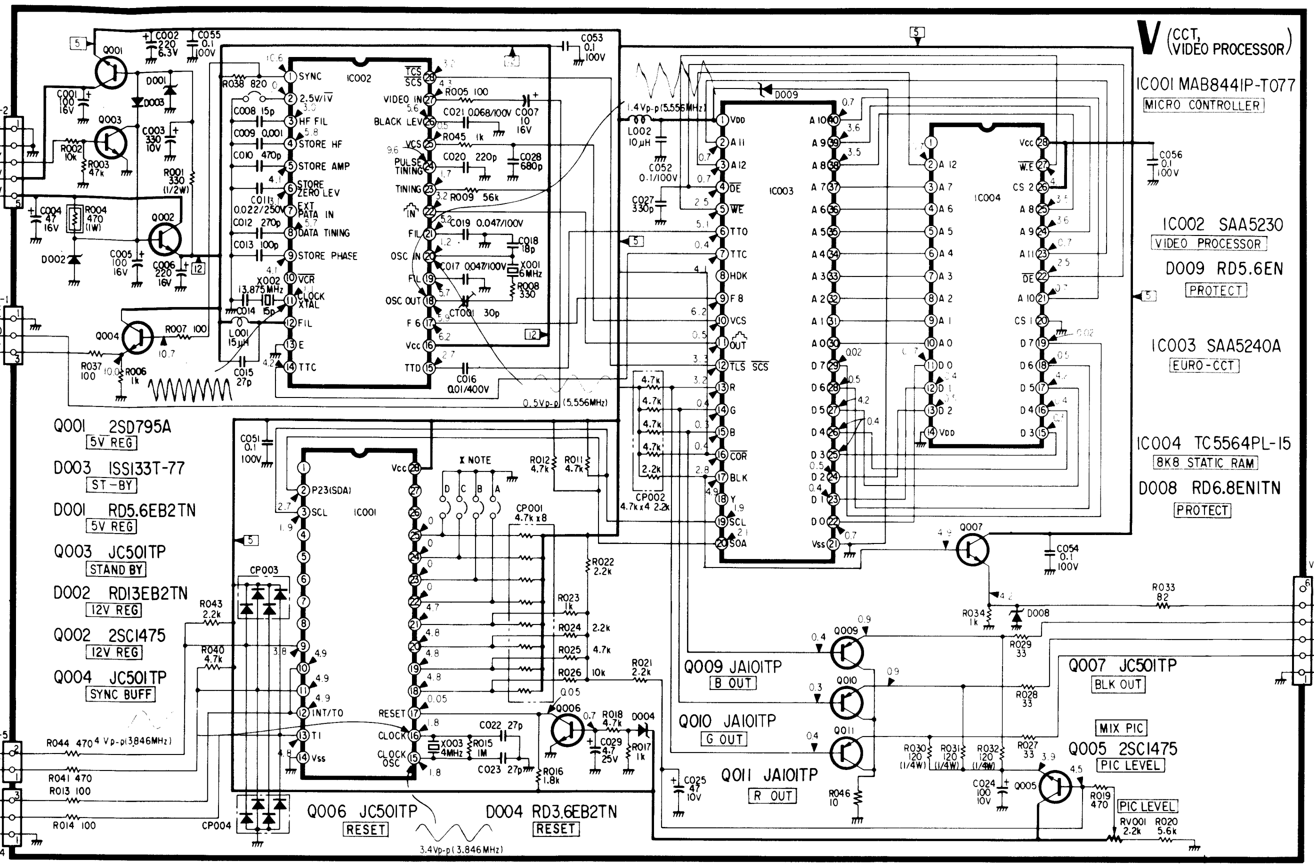
	12	13	14	15	16	17	18	19	20	21	22	23
Q IC		IC1102 1130 1131	1128 IC1101 1127 1125 1123 1122	1126 1124	IC1104 1114 1102 1104	1113 1103 1106	IC1103 1105 1112	1117,1118 1111 IC1105 1109	1115, 1116 1134 1119 1135 – 1137	1129 1120 080 IC080	084 083 082 081	
		1106 1107	1114 1113	1111, 1112 1110				1103		1115 083 081 080 086	116 084 082 085	
ADJ				RV 101		RV 1102						


H1 (CONTROL INDICATOR)
D1401 TLR124
AFT
S1401 PRESET
S1402 SEARCH+
S1403 SEARCH-
S1404 CLR
S1405 VOL+
S1406 VOL-
S1407 AUTO PR
S1408 PRG+
S1409 PRG-
S1410 TV SYS
S1411 AFT ON
S1412 COL SYS
S1413 MONO
H2 (R/C RECEIVE)
IC1 BX-1387
R/C RECEIVE
D06,07 1SS133T-77
CURRENT SW-1,2
D01 TLUR144
RESET
D02 TLUR144
S/S
D03 TLUR144
LDN
D04 TLR124
A
D05 TLR124
B
V (CCT, VIDEO PROCESSOR)
IC001 MAB8441P-T077
MICRO CONTROLLER
IC002 SAA5230
VIDEO PROCESSOR
D009 RD5.6EN
PROTECT
IC003 SAA5240A
EURO-CCT
IC004 TC5564PL-15
8K8 STATIC RAM
D008 RD6.8ENITN
PROTECT
Q001 2SD795A
5V REG
D003 1SS133T-77
ST-BY
D001 RD5.6EB2TN
5V REG
Q003 JC501TP
STAND BY
D002 RD13EB2TN
12V REG
Q002 2SC1475
12V REG
Q004 JC501TP
SYNC BUFF
Q006 JC501TP
RESET
D004 RD3.6EB2TN
RESET
Q009 JA101TP
B OUT
Q010 JA101TP
G OUT
Q011 JA101TP
R OUT
Q007 JC501TP
BLK OUT
MIX PIC
Q005 2SC1475
PIC LEVEL
F (REG OUT)
IC601 μPC1394C
POWER SUPPLY
D606,607 1N4148-M
CURRENT SW
Q603 JC501TP
OSC CTL-1
D602 RD12EB2TN
12V ZENER
IC602 TLP581
ISOLATION
D664 RD12EB2TN
12V ZENER
IC651 μPC4558C
ERROR AMP
D657 RGP10GPKG23
-30V RECT
Q653 JC501TP
STAND BY SW
D662 RGP10GPK23
STAND BY SW
D663 RD6.2EN2TN
6V ZENER
D603 1N4148-M
CURRENT SW
D604 μPC574J-TP
OVP RECT
D608 1N4148-M
CURRENT SW
D609 ERC26-15S
PULSE CLIP
D651 ERD28-06S
+135V RECT
D652 RGP10GPKG23
AF RECT
D653 RGP10GPKG23
AF RECT
D654 CTU-12S
+14V RECT
D661 1N4148-M
PROTECT
D655 MC931TP
CORRECT
D658 RD6.2EN2TN
+12V ZENER
D659 RD5.6EN1TN
+12V ZENER
Q652 JC501TP
STAND BY SW
Q651 2SD795A
12V REG
D601 S3WB60Z
AC RECT
Q601 2SC2958-L
REG DRIVE
Q602 2SD1497
REG OUT
D605 RGP10GPKG623
50V RECT
D656 CTU-12S
+6V RECT
D660 1N4148-M
CURRENT SW
TO COARTING EARTH
AC IN 220-240V AC 50Hz
T605 SBT
T603
T606 LFT
T601 LFT
T602
TO D-12
TO D-16
TO D-7
TO D-8
TO D-2
TO D-9
TO D-10
TO D-11
TO D-14
TO D-15
TO D-21
TO J-3
TO J-7

※NOTE

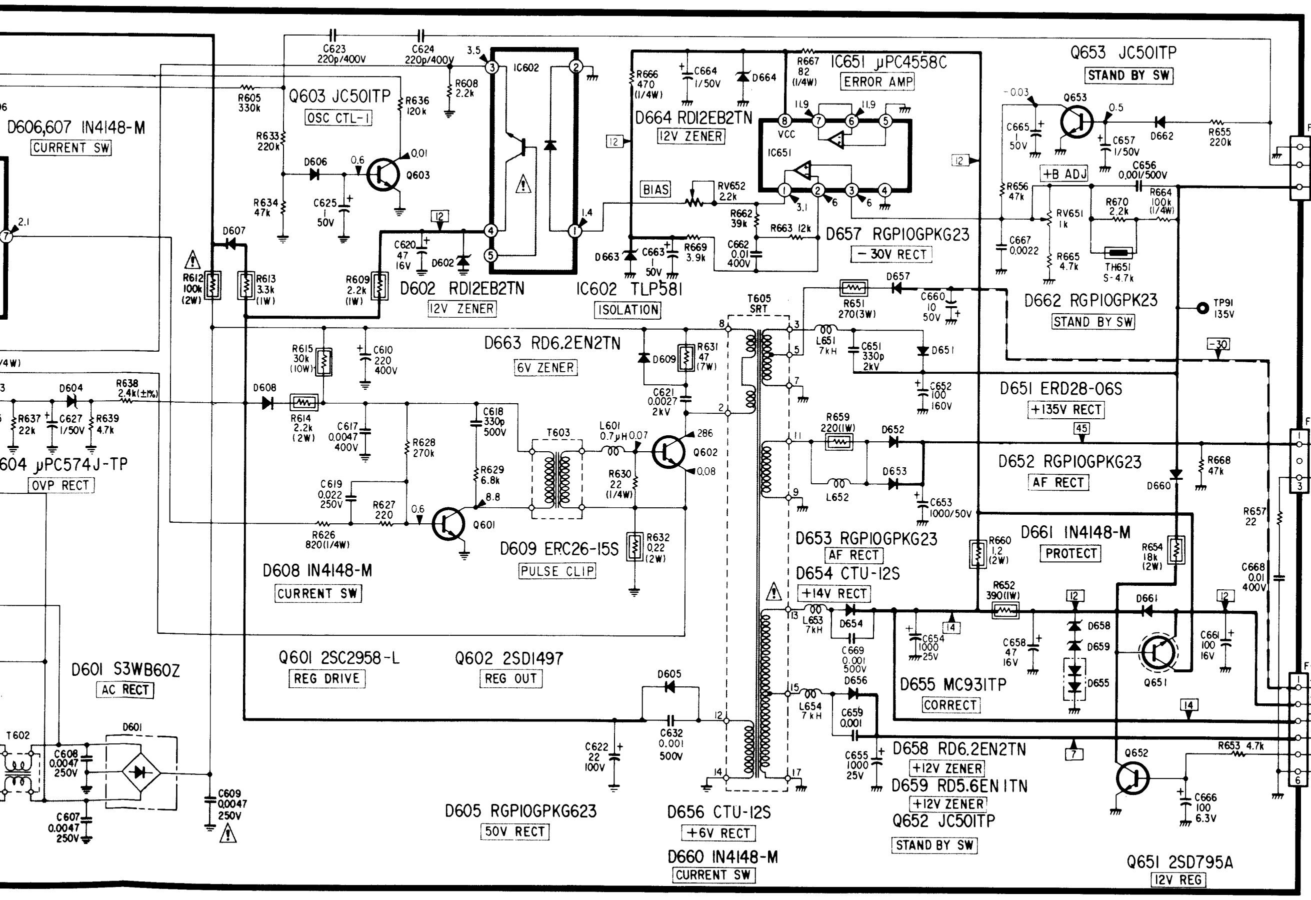
LANGUAGE SET

LANGUAGE	A	B	C	IC003
SWEDISH	SHORT	OPEN	SHORT	SAA5240A
GERMAN	OPEN	SHORT	SHORT	SAA5240A/B


V (CCT, VIDEO PROCESSOR)
IC001 MAB8441P-T077 MICRO CONTROLLER
IC002 SAA5230 VIDEO PROCESSOR
D009 RD5.6EN PROTECT
IC003 SAA5240A EURO-CCT
IC004 TC5564PL-15 8K8 STATIC RAM
D008 RD6.8ENITN PROTECT
Q001 2SD795A 5V REG
D003 ISS133T-77 ST-BY
D001 RD5.6EB2TN 5V REG
Q003 JC501TP STAND BY
D002 RD13EB2TN 12V REG
Q002 2SC1475 12V REG
Q004 JC501TP SYNC BUFF
Q006 JC501TP RESET
D004 RD3.6EB2TN RESET
Q009 JA101TP B OUT
Q010 JA101TP G OUT
Q011 JA101TP R OUT
Q007 JC501TP BLK OUT
Q005 2SC1475 PIC LEVEL
MIX PIC
PIC LEVEL
TO D-2

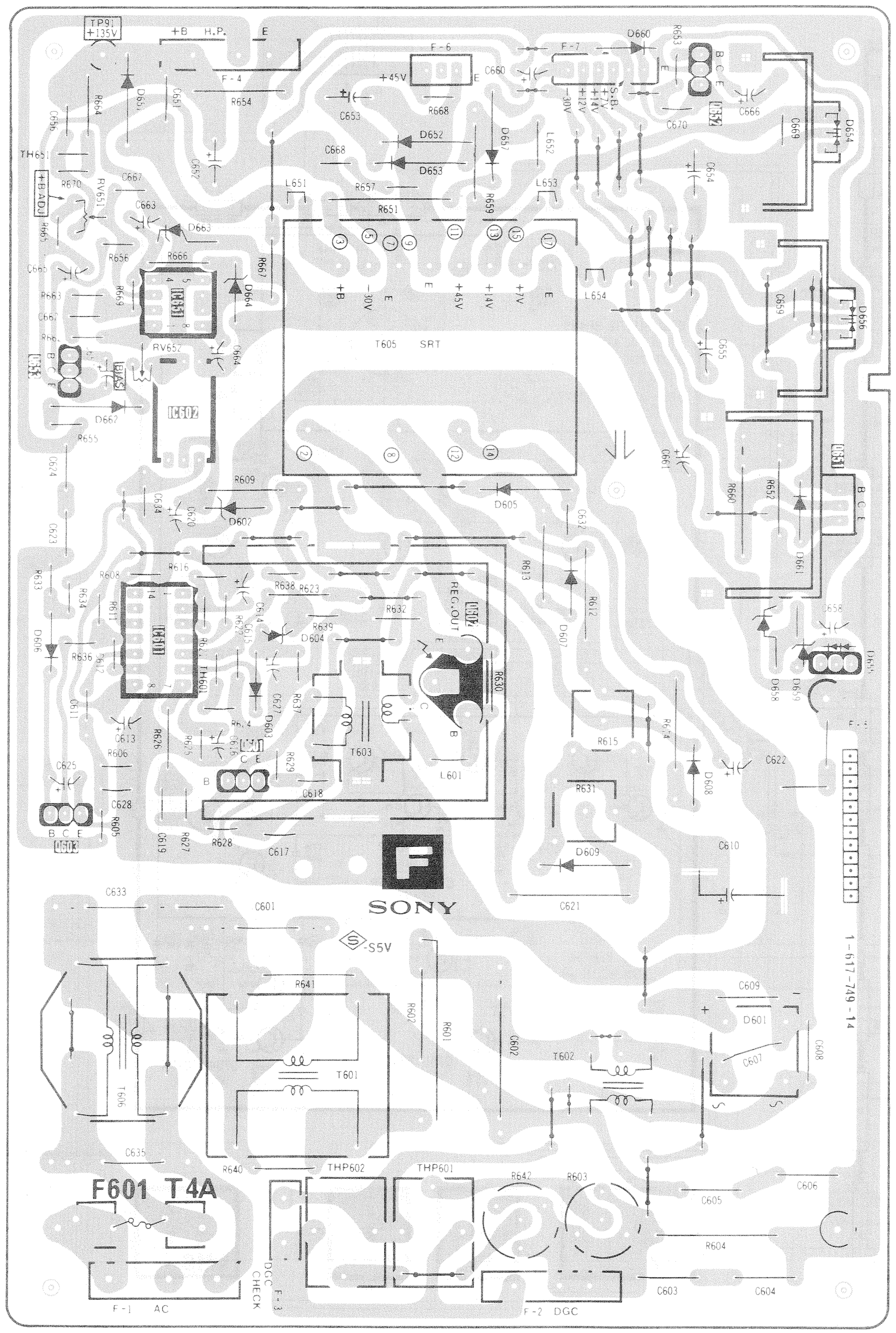
*NOTE LANGUAGE SET

LANGUAGE	A	B	C	IC003
SWEDISH	SHORT	OPEN	SHORT	SAA5240A
GERMAN	OPEN	SHORT	SHORT	SAA5240A/B


D606,607 IN4148-M CURRENT SW
Q603 JC501TP OSC CTL-1
D602 RD12EB2TN 12V ZENER
IC602 TLP581 ISOLATION
D664 RD12EB2TN 12V ZENER
IC651 μPC4558C ERROR AMP
BIAS
D657 RGP10GPKG23 -30V RECT
Q653 JC501TP STAND BY SW
+B ADJ
D662 RGP10GPK23 STAND BY SW
D663 RD6.2EN2TN 6V ZENER
T605 SRT
TP91 135V
D651 ERD28-06S +135V RECT
D652 RGP10GPKG23 AF RECT
604 μPC574J-TP OVP RECT
D608 IN4148-M CURRENT SW
D609 ERC26-15S PULSE CLIP
D653 RGP10GPKG23 AF RECT
D654 CTU-12S +14V RECT
D661 IN4148-M PROTECT
D655 MC931TP CORRECT
D601 S3WB60Z AC RECT
Q601 2SC2958-L REG DRIVE
Q602 2SD1497 REG OUT
D605 RGP10GPKG623 50V RECT
D656 CTU-12S +6V RECT
D660 IN4148-M CURRENT SW
D658 RD6.2EN2TN +12V ZENER
D659 RD5.6ENITN +12V ZENER
Q652 JC501TP STAND BY SW
Q651 2SD795A 12V REG
TO D-7
TO D-16
TO D-8

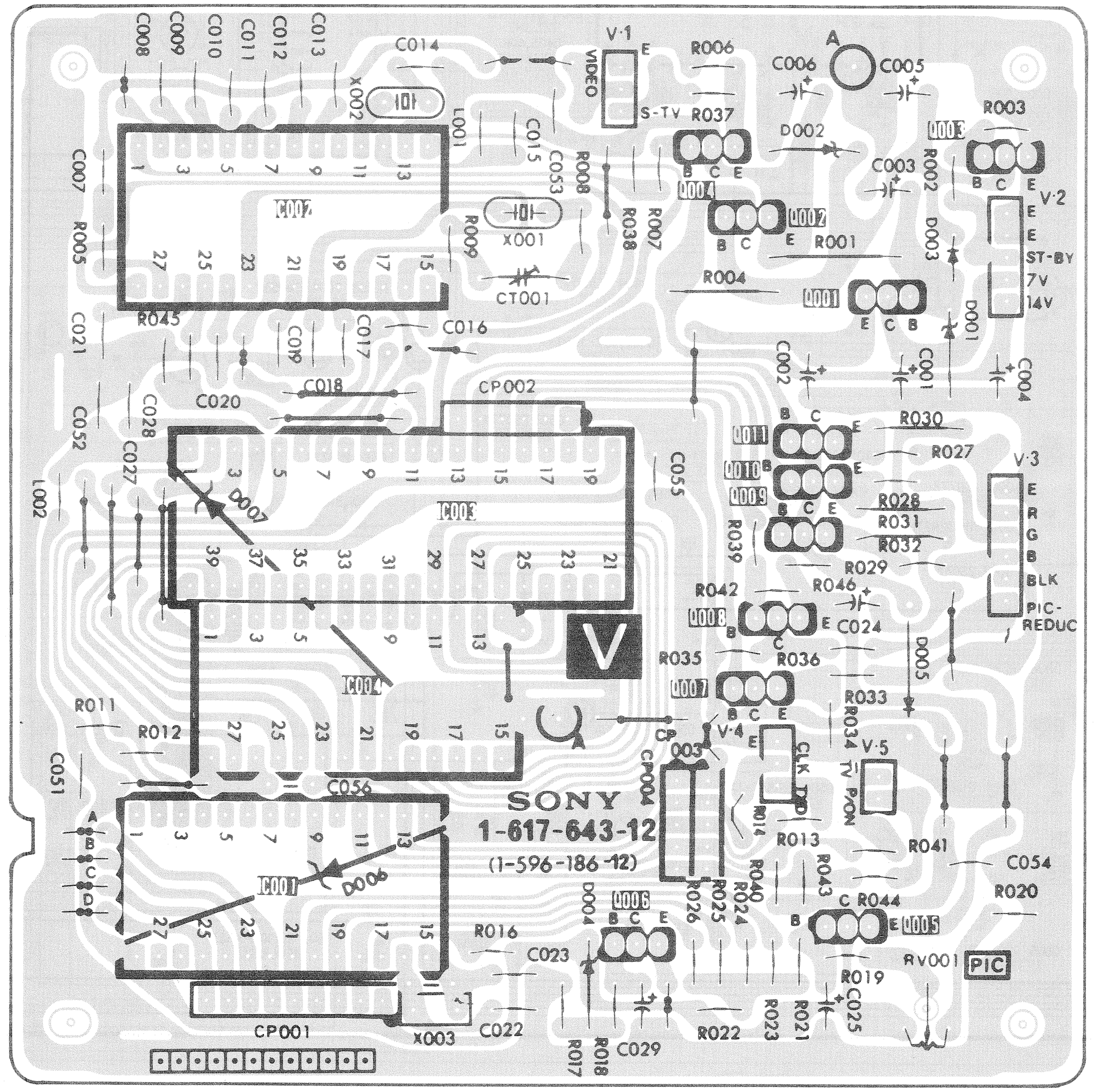
F [REG OUT] **V** [CCT, VIDEO PROCESSER]

– F Board –


TP91 +135V
+B H.P.
F-4
F-6
F-7
+45V
D660
D652
D653
T605 SRT
+B
-30V
+45V
+14V
+7V
IC651
IC602
IC601
Q631
Q601
RV651
RV652
D602
D604
D605
D607
D608
D609
T603
L601
REG OUT
C601
C633
T601
T606
T602
THP602
THP601
F601 T4A
F-1 AC
DGC CHECK
F-2 DGC
F-3
S5V
SONY
F
1-617-749-14

– V Board –

Q		004 006	002 007	001 009–011 005	003
IC	IC002 IC003 IC004 IC001				
D		004		002	003 001
ADJ					RV001

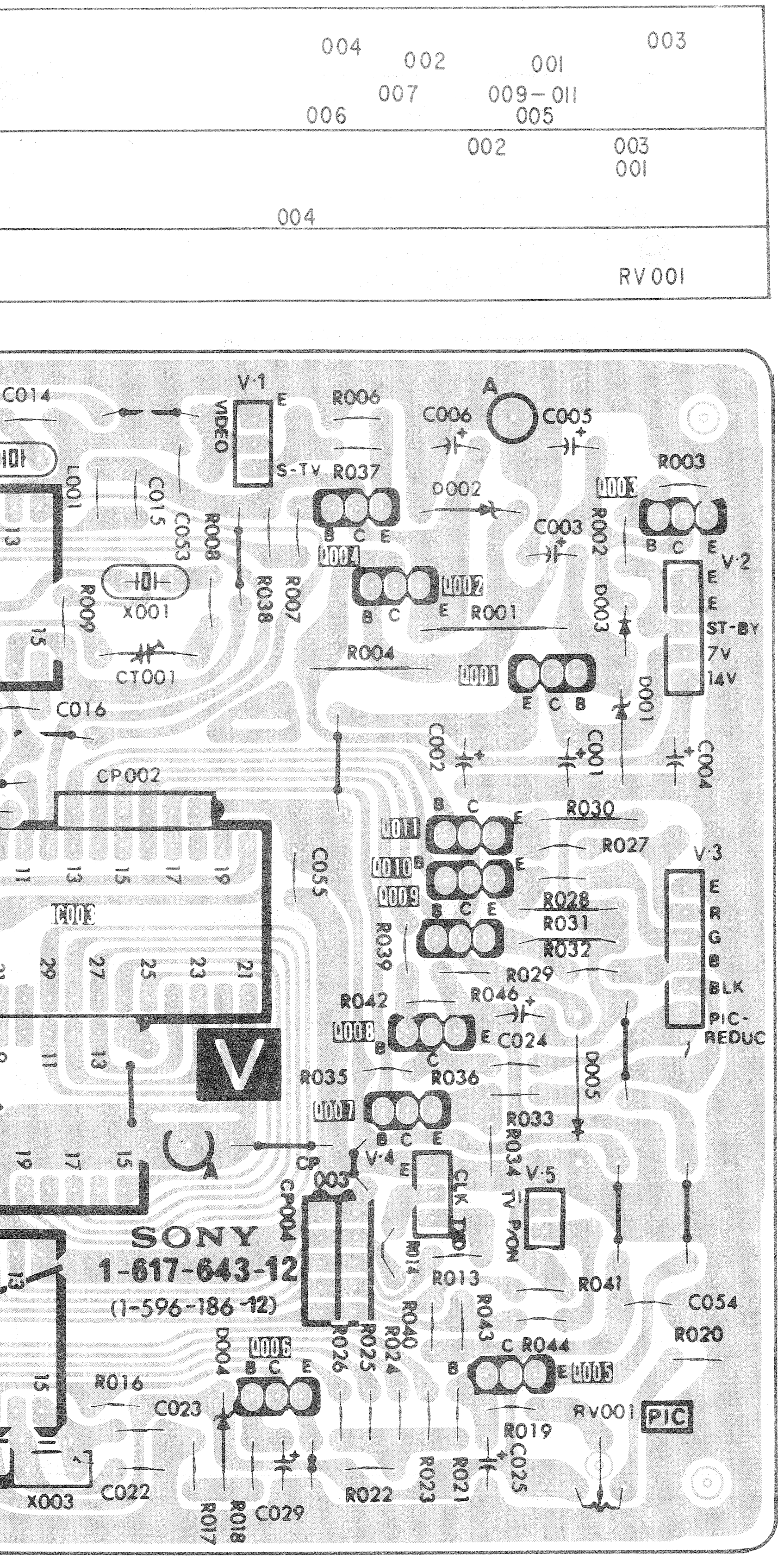

V-1
VIDEO
S-TV
IC002
IC003
IC004
IC001
X001
X002
X003
CT001
CP001
CP002
CP003
CP004
L001
L002
D002
D003
D004
D005
D006
D007
V-2
E
ST-BY
7V
14V
V-3
R
G
B
BLK
PIC-REDUC
V-4
CLK
V-5
TV
PON
RV001
PIC
A
B
C
D
SONY
V
1-617-643-12
(1-596-186-12)

– H2

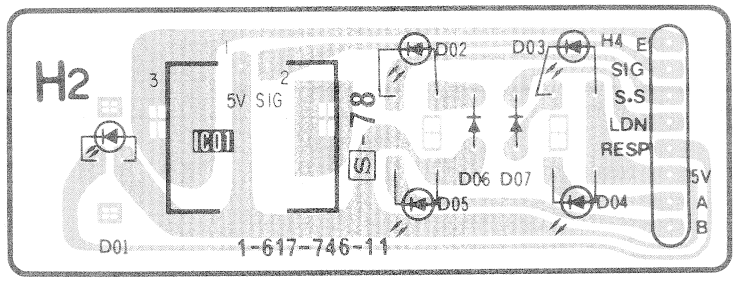
– H1

H1 [CONTROL INDICATOR] **H2** [R/C RECEIVE]

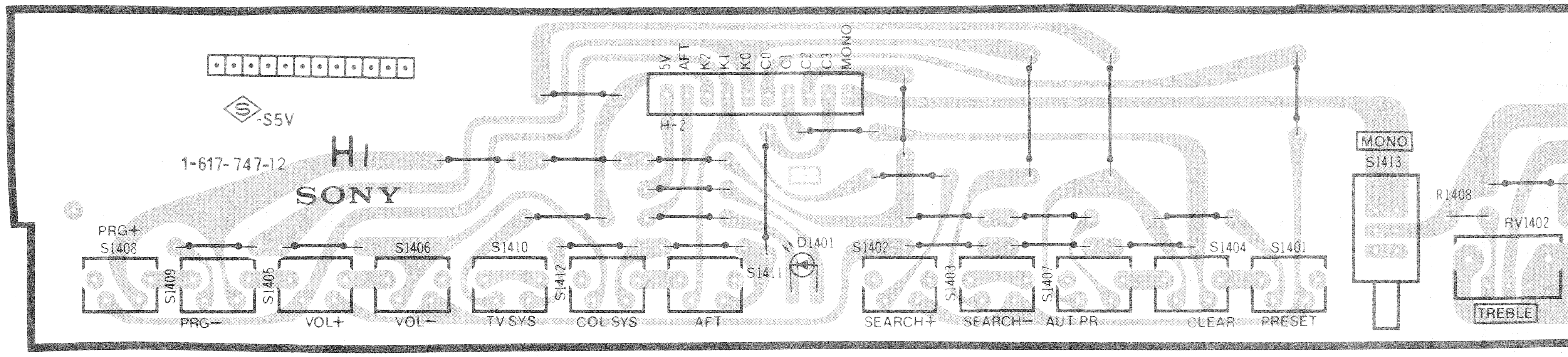
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26


004
002
001
003
007
009-011
006
005
002
003
001
004
RV001
V·1
VIDEO
S-TV
R006
C006
A
C005
C014
L001
C015
C053
R008
R037
D002
R003
Q003
Q004
B C E
C003
R002
V·2
Q002
X001
R009
R038
R007
R001
D003
ST-BY
7V
14V
CT001
R004
Q001
E C B
D001
C016
C002
C001
C004
CP002
R030
Q011
R027
C055
Q010
Q009
V·3
R028
R031
R032
R039
R029
IC003
E
R
G
B
BLK
PIC-REDUC
R042
R046
Q008
C024
D005
V
R035
R036
Q007
R033
R034
CP003
V·4
V·5
CLK
TV PVON
CP004
SONY
1-617-643-12
(1-596-186-12)
R014
R013
R041
C054
R040
R043
R020
D004
Q006
R026
R025
R024
C R044
Q005
R016
C023
RV001
PIC
R019
C025
C022
X003
R022
R023
R021
R017
R018
C029

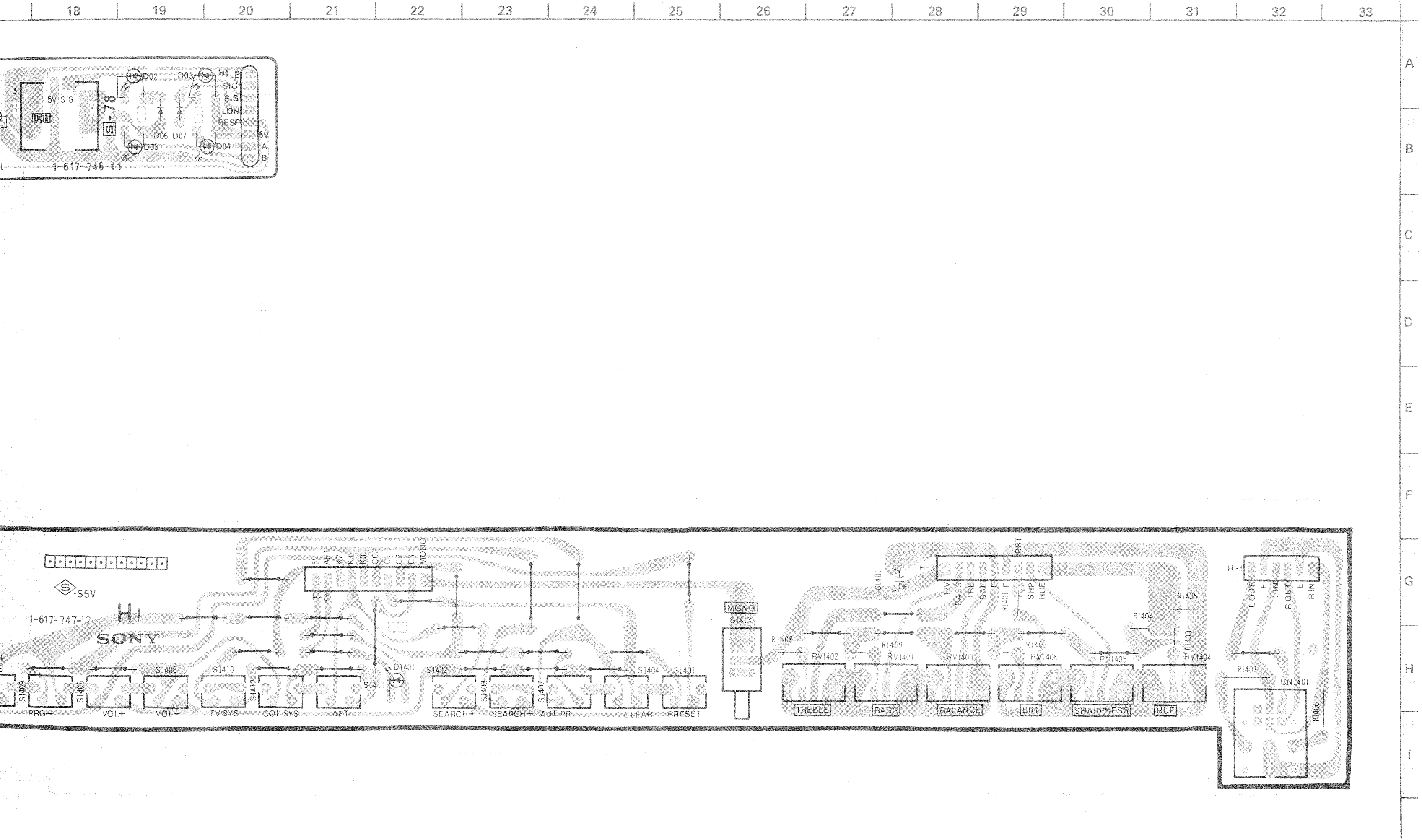
— H2 Board —


H2
IC01
5V SIG
S-78
D02
D03
H4
E
SIG
S.S
LDN
RESP
D06 D07
D05
D04
5V
A
B
D01
1-617-746-11

— H1 Board —


S5V
1-617-747-12
H1
SONY
5V AFT K2 K1 K0 C0 C1 C2 C3 MONO
H-2
MONO
S1413
R1408
RV1402
TREBLE
D1401
PRG+
S1408
S1409
PRG−
S1405
VOL+
S1406
VOL−
S1410
TV SYS
S1412
COL SYS
AFT
S1411
S1402
SEARCH+
S1403
SEARCH−
S1407
AUT PR
S1404
CLEAR
S1401
PRESET

H1 [CONTROL INDICATOR] **H2** [R/C RECEIVE]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A
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D
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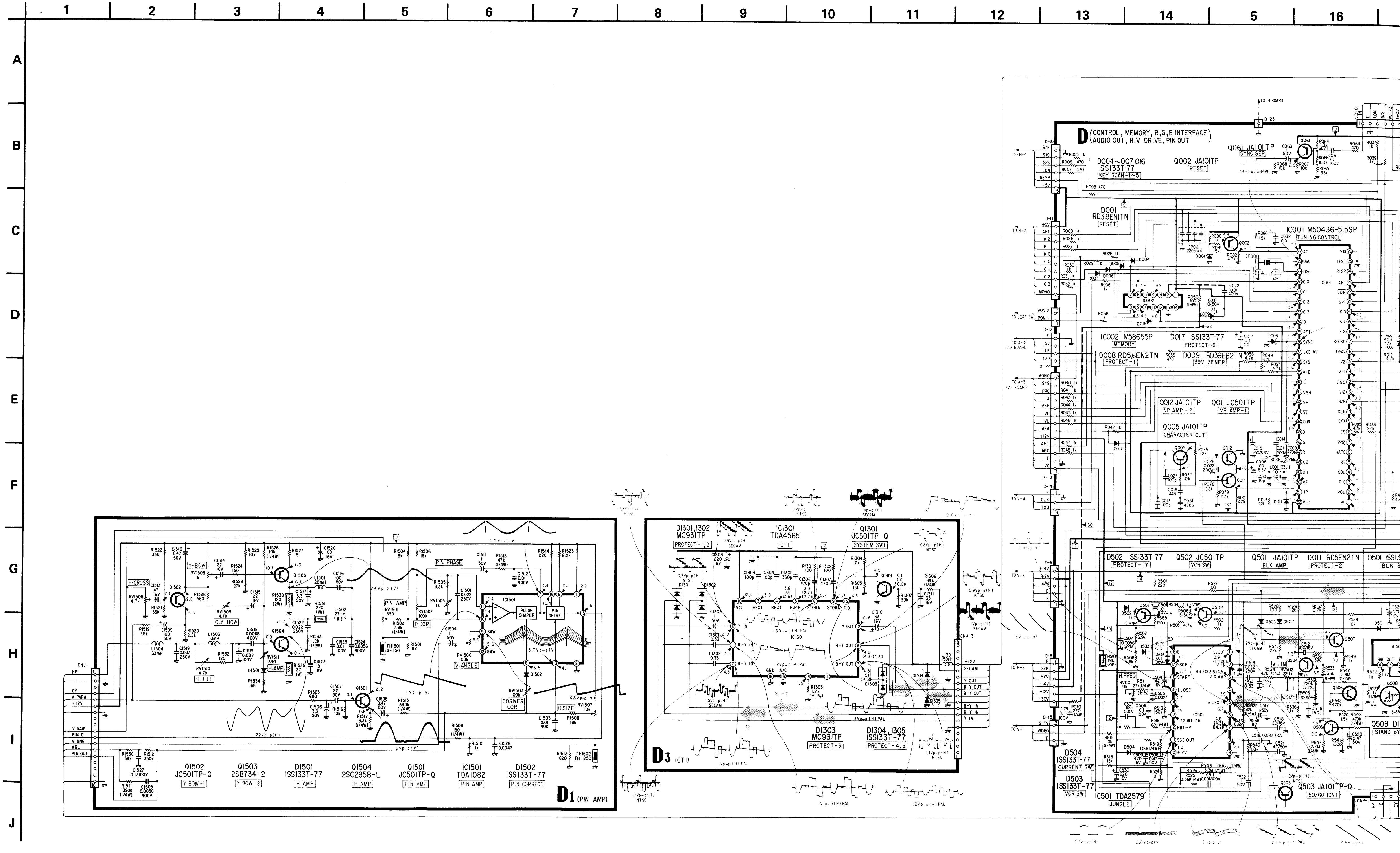
G
H
I
IC01
5V SIG
S-78
D02
D03
D04
D05
D06 D07
H4
E
SIG
S.S
LDN
RESP
5V
A
B
1-617-746-11
S5V
1-617-747-12
H1
SONY
H-2
5V AFT K2 K1 K0 C0 C1 C2 C3 MONO
S1409
PRG−
S1405
VOL+
S1406
VOL−
S1410
TV SYS
S1412
COL SYS
AFT
S1411
D1401
S1402
SEARCH+
S1403
SEARCH−
S1407
AUT PR
S1404
CLEAR
S1401
PRESET
MONO
S1413
C1401
H-3
12V BASS TRE BAL E
R1401 E
BRT
SHP HUE
R1408
RV1402
TREBLE
R1409
RV1401
BASS
RV1403
BALANCE
R1402
RV1406
BRT
RV1405
SHARPNESS
R1404
R1405
R1403
RV1404
HUE
H-3
L OUT E L IN R OUT E R IN
R1407
CN1401
R1406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A
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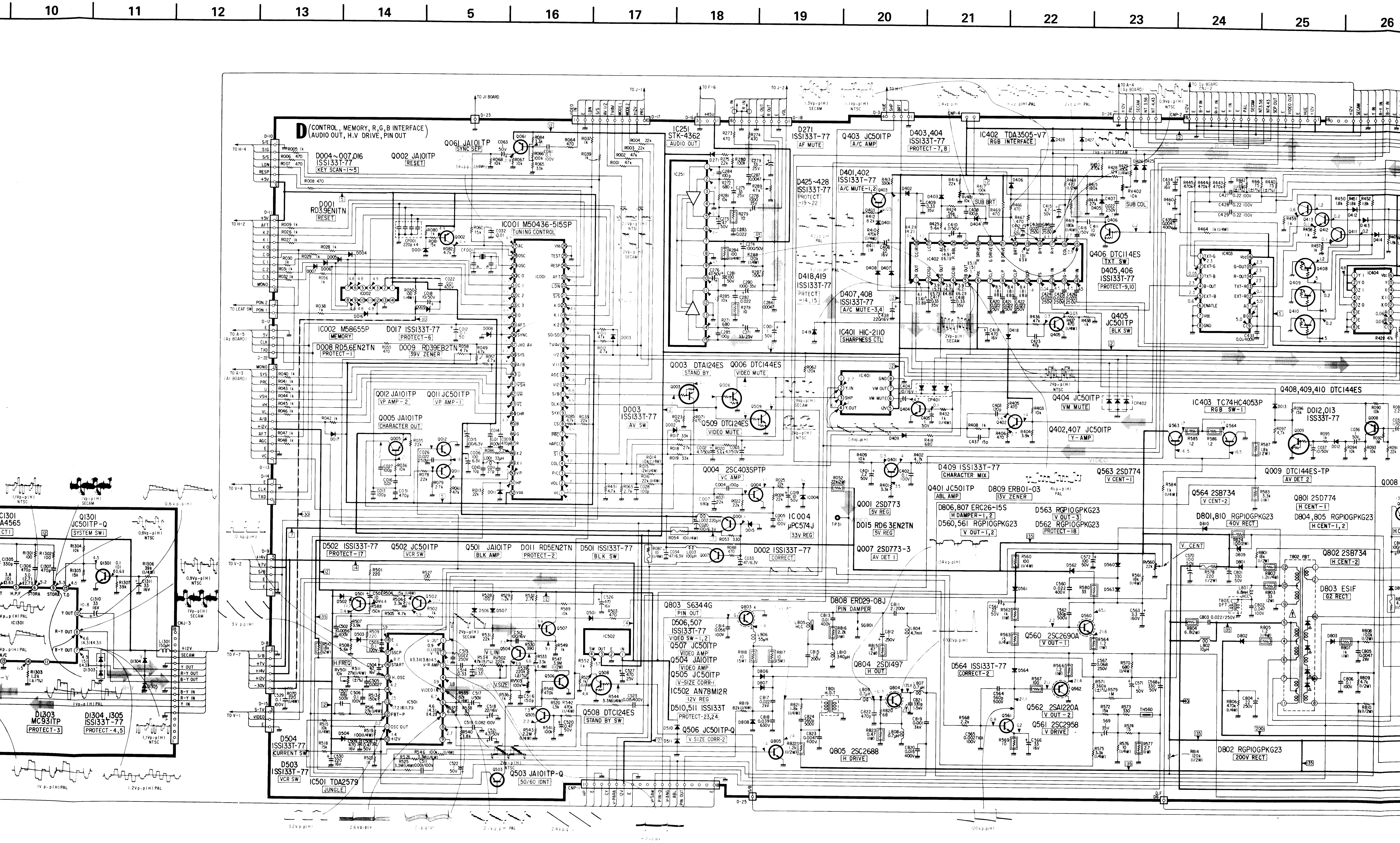
E
F
G
H
I
J
D1 (PIN AMP)
Q1502 JC501TP-Q Y BOW-1
Q1503 2SB734-2 Y BOW-2
D1501 ISS133T-77 H AMP
Q1504 2SC2958-L H AMP
Q1501 JC501TP-Q PIN AMP
IC1501 TDA1082 PIN AMP
D1502 ISS133T-77 PIN CORRECT
CNJ-1
HP
CY
V PARA
+12V
V SAW
PIN D
V ANG
ABL
PIN OUT
Y-CROSS
Y-BOW
C.Y BOW
H.TILT
H.AMP
PIN PHASE
PIN AMP
P.COR
V.ANGLE
CORNER COR
H.SIZE
PULSE SHAPER
PIN DRIVE
IC1501
22Vp-p(H)
2Vp-p(V)
1Vp-p(V)
2.4Vp-p(V)
2.5Vp-p(V)
3.7Vp-p(V)
4.8Vp-p(V)
D3 (CTI)
D1301,1302 MC931TP PROTECT-1,2
IC1301 TDA4565 CTI
Q1301 JC501TP-Q SYSTEM SW1
D1303 MC931TP PROTECT-3
D1304,1305 ISS133T-77 PROTECT-4,5
IC1301
Y IN
R-Y IN
B-Y IN
Y OUT
R-Y OUT
B-Y OUT
CNJ-3
+12V
SECAM
Y OUT
R-Y OUT
B-Y OUT
B-Y IN
R-Y IN
Y IN
D (CONTROL, MEMORY, R,G,B INTERFACE) (AUDIO OUT, H.V DRIVE, PIN OUT)
TO J1 BOARD
Q061 JA101TP SYNC SEP
D004~007,016 ISS133T-77 KEY SCAN-1~5
Q002 JA101TP RESET
D001 RD3.9ENITN RESET
IC001 M50436-515SP TUNING CONTROL
IC002 M58655P MEMORY
D017 ISS133T-77 PROTECT-6
D008 RD5.6EN2TN PROTECT-1
D009 RD39EB2TN 39V ZENER
Q012 JA101TP VP AMP-2
Q011 JC501TP VP AMP-1
Q005 JA101TP CHARACTER OUT
D502 ISS133T-77 PROTECT-17
Q502 JC501TP VCR SW
Q501 JA101TP BLK AMP
D011 RD5EN2TN PROTECT-2
D501 ISS13
D504 ISS133T-77 CURRENT SW
D503 ISS133T-77 VCR SW
IC501 TDA2579 JUNGLE
Q503 JA101TP-Q 50/60 IDNT
Q508 DT STAND BY
TO H-4
TO H-2
TO LEAF SW
TO A-5
TO A-3
TO V-4
TO V-2
TO F-7
TO V-1
V-LIN
V.SIZE
H.FREQ
CNP1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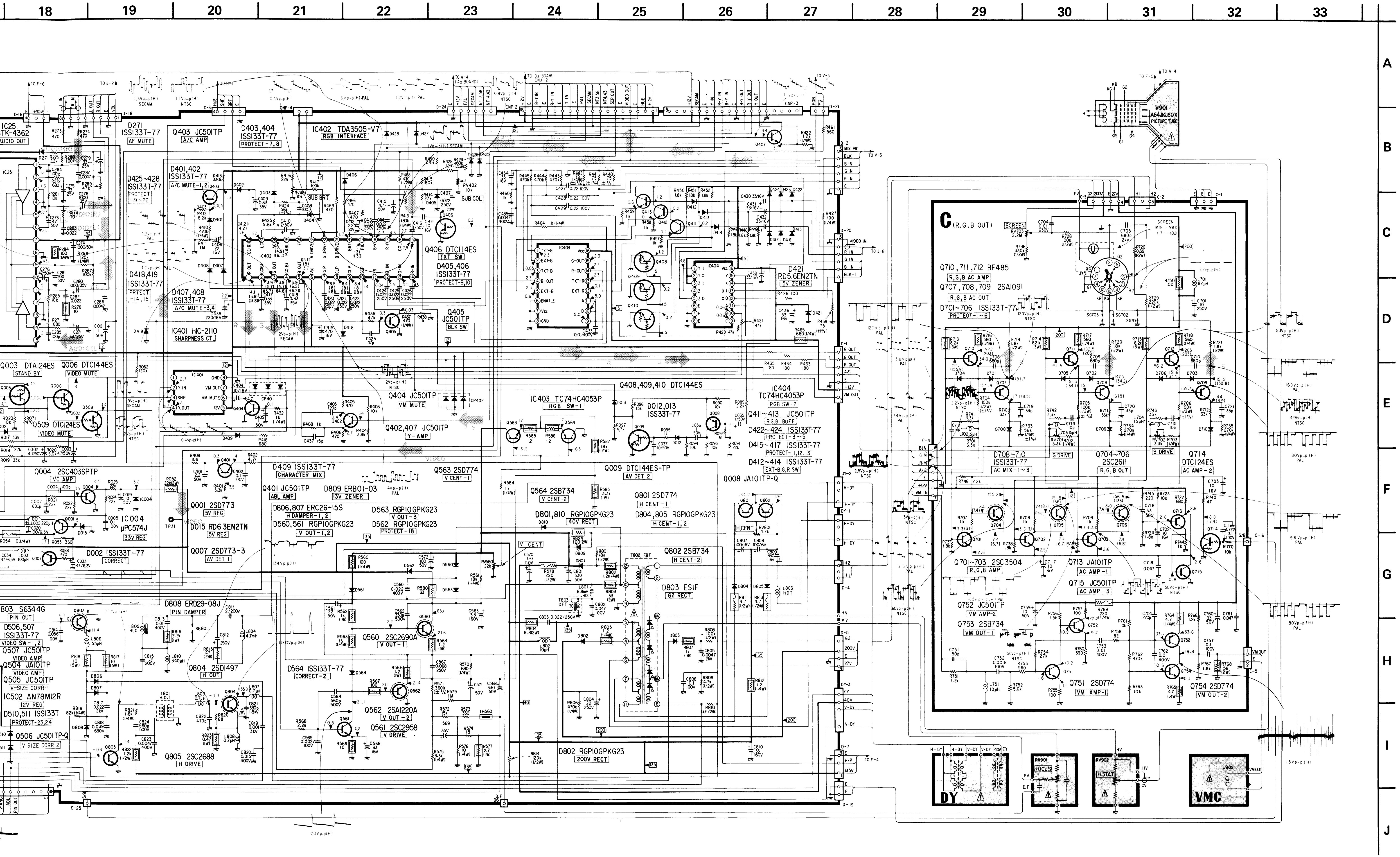
D (CONTROL, MEMORY, R,G,B INTERFACE) (AUDIO OUT, H.V DRIVE, PIN OUT)
IC001 M50436-515SP
TUNING CONTROL
IC002 M58655P
MEMORY
D001 RD3.9ENITN
RESET
D004~007,016 ISS133T-77
KEY SCAN-1~5
Q002 JA101TP
RESET
Q061 JA101TP
SYNC SEP
D017 ISS133T-77
PROTECT-6
D008 RD5.6EN2TN
PROTECT-1
D009 RD39EB2TN
39V ZENER
Q012 JA101TP
VP AMP-2
Q011 JC501TP
VP AMP-1
Q005 JA101TP
CHARACTER OUT
IC251 STK-4362
AUDIO OUT
D271 ISS133T-77
AF MUTE
D425~428 ISS133T-77
PROTECT -19~22
D418,419 ISS133T-77
PROTECT -14,15
Q403 JC501TP
A/C AMP
D401,402 ISS133T-77
A/C MUTE-1,2
D407,408 ISS133T-77
A/C MUTE-3,4
IC401 HIC-2110
SHARPNESS CTL
D403,404 ISS133T-77
PROTECT-7,8
IC402 TDA3505-V7
RGB INTERFACE
Q406 DTC114ES
TXT SW
D405,406 ISS133T-77
PROTECT-9,10
Q405 JC501TP
BLK SW
Q404 JC501TP
VM MUTE
Q402,407 JC501TP
Y-AMP
Q003 DTA124ES
STAND BY
Q006 DTC144ES
VIDEO MUTE
Q509 DTC124ES
VIDEO MUTE
D003 ISS133T-77
AV SW
Q004 2SC403SPTP
VC AMP
IC004 µPC574J
33V REG
Q001 2SD773
5V REG
D015 RD6.3EN2TN
5V REG
Q007 2SD773-3
AV DET 1
D002 ISS133T-77
CORRECT
D409 ISS133T-77
CHARACTER MIX
Q401 JC501TP
ABL AMP
D809 ERB01-03
13V ZENER
D806,807 ERC26-15S
H DAMPER-1,2
D560,561 RGP10GPKG23
V OUT-1,2
D563 RGP10GPKG23
V OUT-3
D562 RGP10GPKG23
PROTECT-18
Q563 2SD774
V CENT-1
Q564 2SB734
V CENT-2
IC403 TC74HC4053P
RGB SW-1
Q408,409,410 DTC144ES
D012,013 ISS33T-77
Q009 DTC144ES-TP
AV DET 2
Q801 2SD774
H CENT-1
D801,810 RGP10GPKG23
40V RECT
D804,805 RGP10GPKG23
H CENT-1,2
Q802 2SB734
H CENT-2
T802 FBT
D803 ESIF
G2 RECT
D802 RGP10GPKG23
200V RECT
D502 ISS133T-77
PROTECT-17
Q502 JC501TP
VCR SW
Q501 JA101TP
BLK AMP
D011 RD5EN2TN
PROTECT-2
D501 ISS133T-77
BLK SW
D504 ISS133T-77
CURRENT SW
D503 ISS133T-77
VCR SW
IC501 TDA2579
JUNGLE
IC502
Q503 JA101TP-Q
50/60 IDNT
Q508 DTC124ES
STAND BY SW
Q803 S6344G
PIN OUT
D506,507 ISS133T-77
VIDEO SW-1,2
Q507 JC501TP
VIDEO AMP
Q504 JA101TP
VIDEO AMP
Q505 JC501TP
V-SIZE CORR-1
IC502 AN78M12R
12V REG
D510,511 ISS133T
PROTECT-23,24
Q506 JC501TP-Q
V SIZE CORR-2
D808 ERD29-08J
PIN DAMPER
Q804 2SD1497
H OUT
Q805 2SC2688
H DRIVE
Q560 2SC2690A
V OUT-1
D564 ISS133T-77
CORRECT-2
Q562 2SA1220A
V OUT-2
Q561 2SC2958
V DRIVE
IC1301 A4565
Q1301 JC501TP-Q
SYSTEM SW1
D1303 MC931TP
PROTECT-3
D1304,1305 ISS133T-77
PROTECT-4,5
CNJ-3
CNP-1
CNP-2
D-25
T801 H.D.T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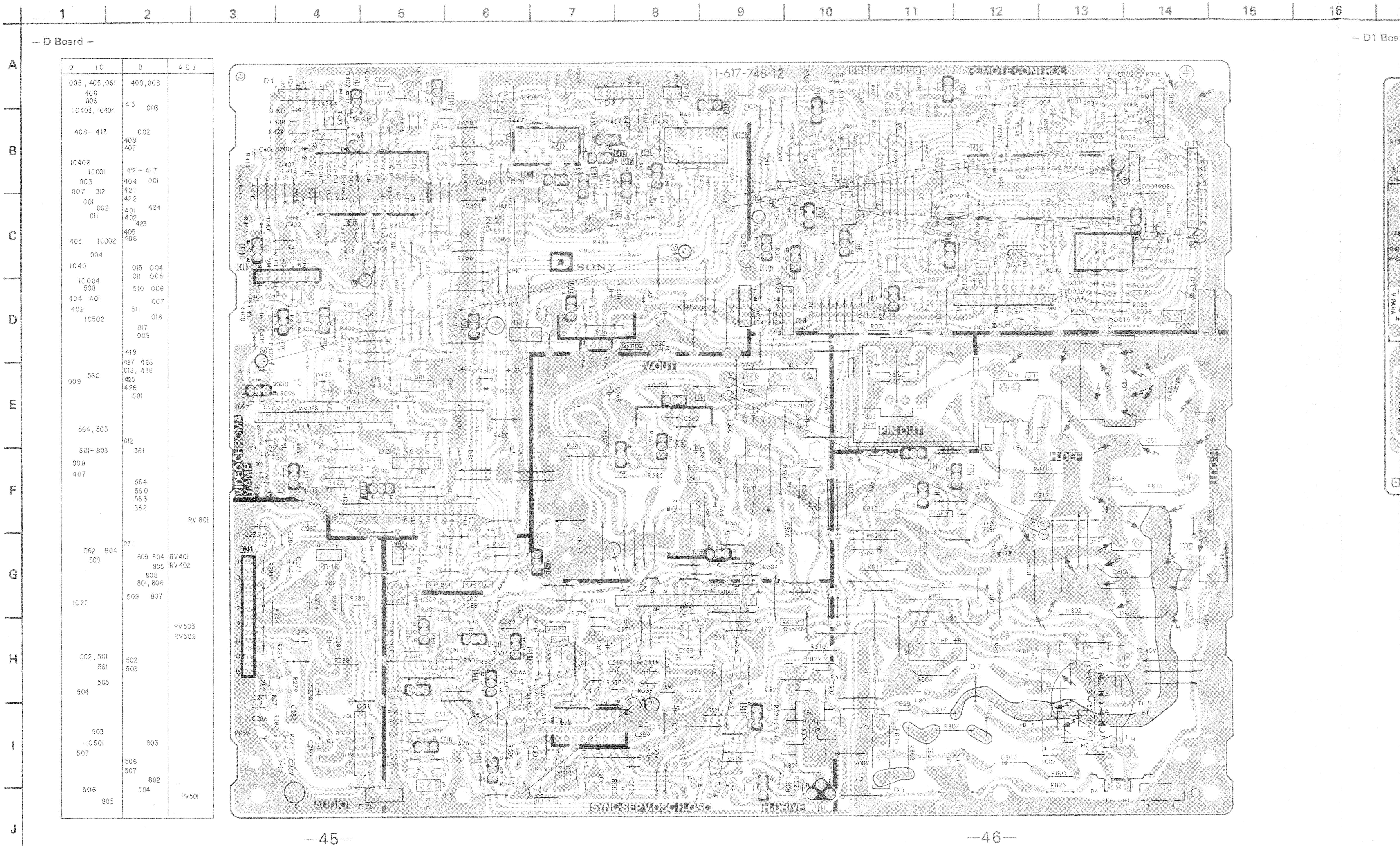
J
IC251 ATK-4362 AUDIO OUT
D271 1SS133T-77 AF MUTE
Q403 JC501TP A/C AMP
D403,404 1SS133T-77 PROTECT-7,8
IC402 TDA3505-V7 RGB INTERFACE
D401,402 1SS133T-77 A/C MUTE-1,2
D425~428 1SS133T-77 PROTECT -19~22
D418,419 1SS133T-77 PROTECT -14,15
D407,408 1SS133T-77 A/C MUTE-3,4
IC401 HIC-2110 SHARPNESS CTL
Q406 DTC114ES TXT SW
D405,406 1SS133T-77 PROTECT-9,10
Q405 JC501TP BLK SW
SUB BRT
SUB COL
IC403
IC404
D421 RD5.6EN2TN 5V ZENER
Q003 DTA124ES STAND BY
Q006 DTC144ES VIDEO MUTE
Q509 DTC124ES VIDEO MUTE
Q004 2SC403SPTP VC AMP
Q404 JC501TP VM MUTE
Q402,407 JC501TP Y-AMP
Q408,409,410 DTC144ES
IC403 TC74HC4053P RGB SW-1
D012,013 1SS33T-77
IC404 TC74HC4053P RGB SW-2
Q411~413 JC501TP R.G.B BUFF.
D422~424 1SS133T-77 PROTECT-3~5
D415~417 1SS133T-77 PROTECT-11,12,13
D412~414 1SS133T-77 EXT-B,G,R SW
Q001 2SD773 5V REG
D015 RD6.3EN2TN 5V REG
Q007 2SD773-3 AV DET 1
IC004 μPC574J 33V REG
D002 1SS133T-77 CORRECT
TP31
D409 1SS133T-77 CHARACTER MIX
Q401 JC501TP ABL AMP
D809 ERB01-03 13V ZENER
Q563 2SD774 V CENT-1
Q009 DTC144ES-TP AV DET 2
Q008 JA101TP-Q
Q564 2SB734 V CENT-2
Q801 2SD774 H CENT-1
D806,807 ERC26-15S H DAMPER-1,2
D560,561 RGP10GPKG23 V OUT-1,2
D563 RGP10GPKG23 V OUT-3
D562 RGP10GPKG23 PROTECT-18
D801,810 RGP10GPKG23 40V RECT
D804,805 RGP10GPKG23 H CENT-1,2
Q802 2SB734 H CENT-2
H CENT
RV801
V CENT
RV560
T802 FBT
D803 ESIF G2 RECT
T803 DFT
L801 HCC
L803 HDT
803 S6344G PIN OUT
D506,507 1SS133T-77 VIDEO SW-1,2
Q507 JC501TP VIDEO AMP
Q504 JA101TP VIDEO AMP
Q505 JC501TP V-SIZE CORR-1
IC502 AN78M12R 12V REG
D510,511 1SS133T PROTECT-23,24
Q506 JC501TP-Q V SIZE CORR-2
D808 ERD29-08J PIN DAMPER
Q804 2SD1497 H OUT
T801 H.D.T
Q805 2SC2688 H DRIVE
Q560 2SC2690A V OUT-1
D564 1SS133T-77 CORRECT-2
Q562 2SA1220A V OUT-2
Q561 2SC2958 V DRIVE
D802 RGP10GPKG23 200V RECT
TH560
V901 A64JKJ60X PICTURE TUBE
TO F-5
TO A-4
KG
KB
G2
KR
G4
G1
H
C (R.G.B OUT)
SCREEN
RV703
SCREEN MIN ~ MAX (17 ~ 102)
J701
Q710,711,712 BF485 R,G,B AC AMP
Q707,708,709 2SA1091 R,G,B AC OUT
D701~706 1SS133T-77 PROTECT-1~6
G DRIVE
B DRIVE
RV701
RV702
D708~710 1SS133T-77 AC MIX-1~3
Q704~706 2SC2611 R,G,B OUT
Q714 DTC124ES AC AMP-2
Q701~703 2SC3504 R,G,B AMP
Q713 JA101TP AC AMP-1
Q715 JC501TP AC AMP-3
Q752 JC501TP VM AMP-2
Q753 2SB734 VM OUT-1
Q751 2SD774 VM AMP-1
Q754 2SD774 VM OUT-2
DY
H-DY
V-DY
CY
RV901 FOCUS
RV902 H.STAT
HV
CV
VMC
L902
VM OUT
TO V-3
TO J-8
TO F-4
TO F-6
TO J-2
TO D2 BOARD CNJ-2
1.3Vp-p(H) SECAM
1.1Vp-p(H) NTSC
2Vp-p(H) SECAM
2Vp-p(H) NTSC
120Vp-p(H) NTSC
50Vp-p(H) NTSC
60Vp-p(H) PAL
42Vp-p(H) NTSC
80Vp-p(H) PAL
96Vp-p(H) PAL
80Vp-p(H) PAL
15Vp-p(H)
120Vp-p(H)
134Vp-p(H)
1000Vp-p(H)

D CONTROL, MEMORY, R·G·B INTERFACE
AUDIO OUT, H/V DRIVE, PIN OUT

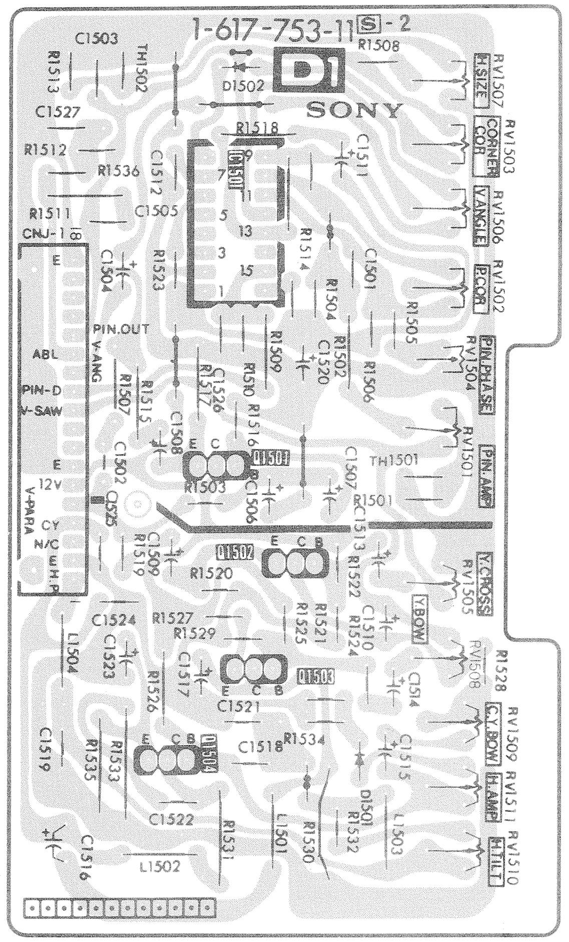
– D Board –

Q IC	D	ADJ
005, 405, 061	409, 008	
406		
006	413 003	
IC403, IC404		
408 – 413	002	
	408 407	
IC402		
IC001	412 – 417	
003	404 001	
007 012	421	
001	422	
002	401 424	
011	402	
	423	
	405 406	
403 IC002		
004		
IC401	015 004	
IC 004	011 005	
508	510 006	
404 401	007	
402	511	
IC502	016	
	017 009	
	419	
	427 428	
	013, 418	
009 560	425	
	426	
	501	
564, 563		
	012	
801 – 803	561	
008		
407		
	564	
	560	
	563	
	562	
		RV 801
	271	
562 804	809 804	RV401
509	805	RV402
	808	
	801, 806	
	509 807	
IC 25		
		RV503
		RV502
502, 501	502	
561	503	
505		
504		
503		
IC501	803	
507		
	506	
	507	
	802	
506	504	RV501
805		

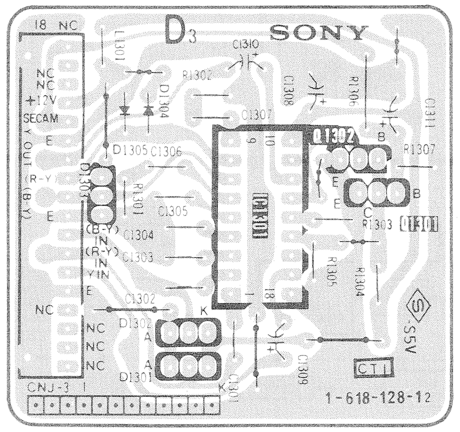

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
1-617-748-12
REMOTE CONTROL
SONY
V.OUT
PIN OUT
H.DEF
H.OUT
VIDEO CHROMA Y AMP
AUDIO
SYNC SEP V.OSC H.OSC
H.DRIVE
– D1 Boar

D1 [PIN AMP] **D3** [CTI] **C** [R·G·B OUT]

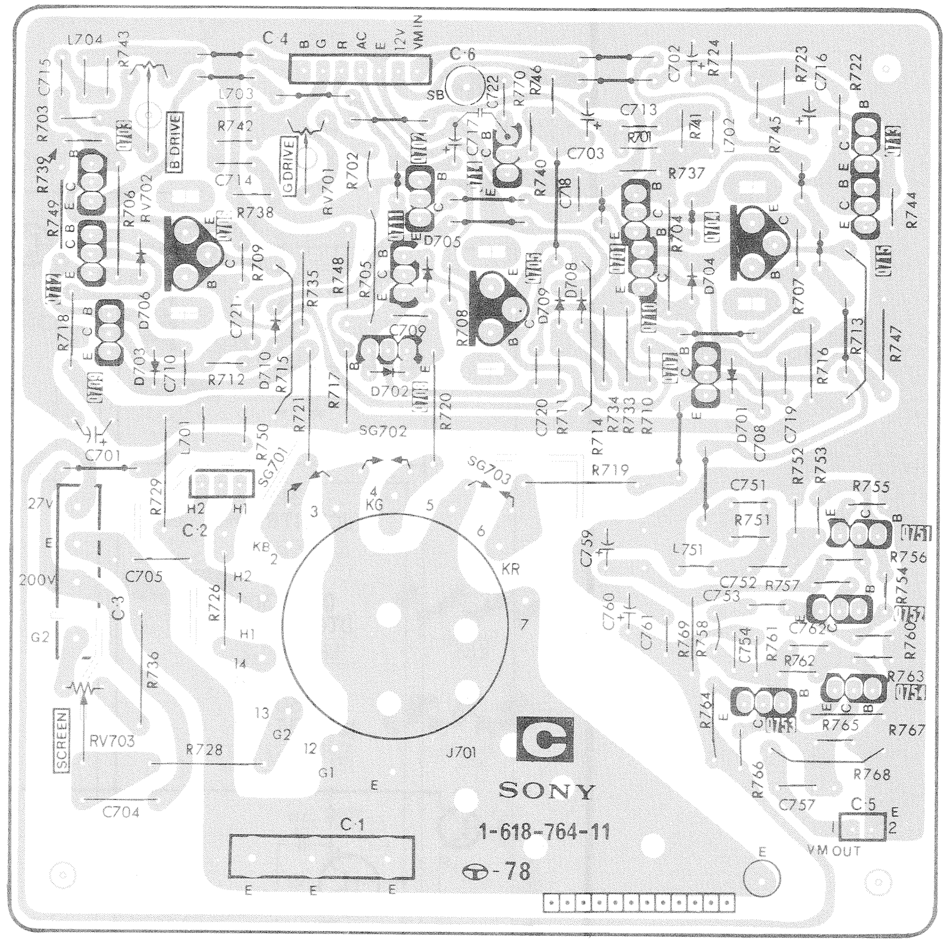
— D1 Board —

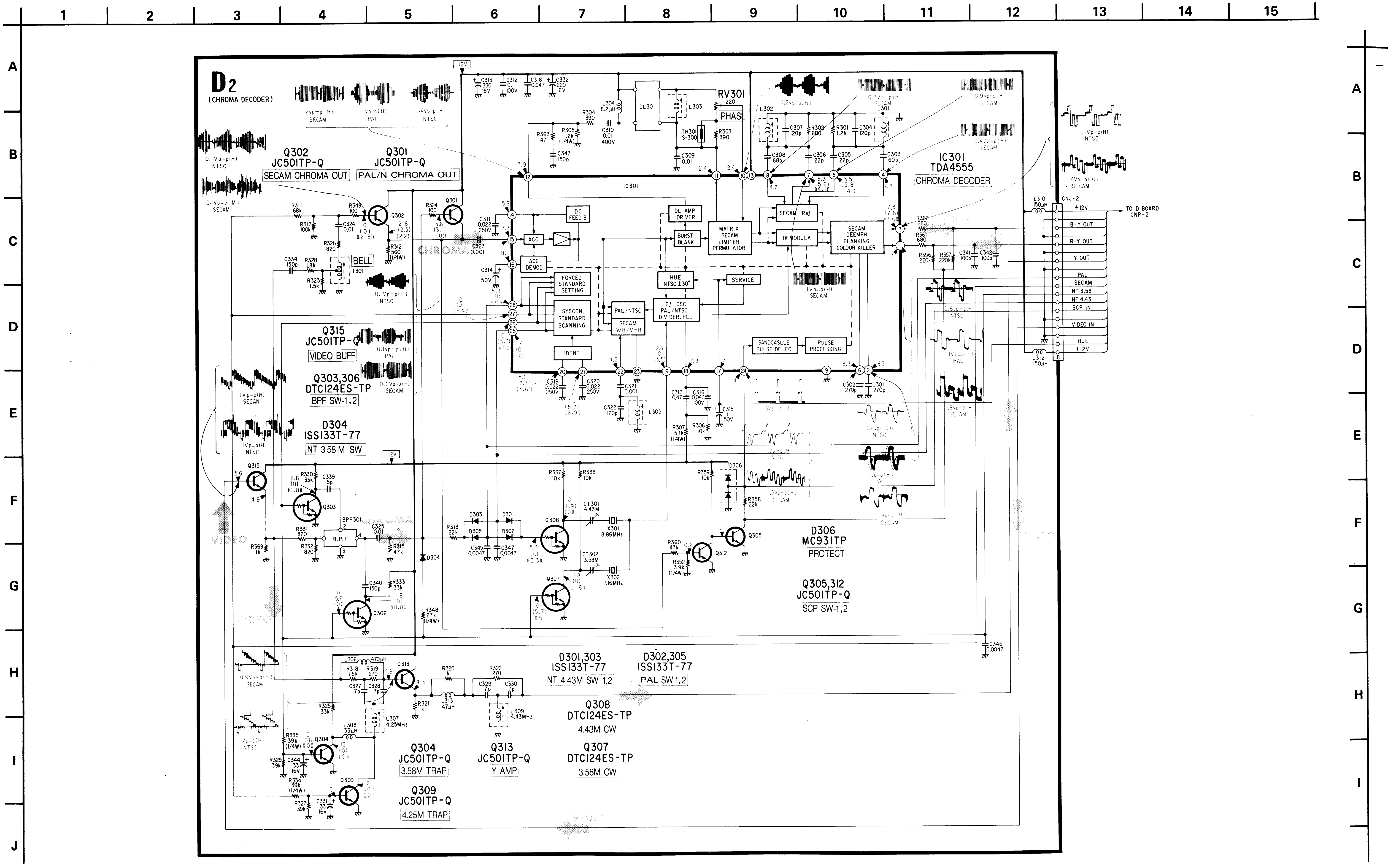

1-617-753-11 S-2
D1
SONY
CNJ-1
PIN.OUT
ABL
PIN-D
V-SAW
V-PARA
H.SIZE
CORNER COR
V.ANGLE
B.COR
PIN.PHASE
PIN.AMP
V.CROSS
V.BOW
C.V.BOW
H.AMP
H.TILT

— D3 Board —


D3
SONY
CNJ-3
SECAM
CTI
1-618-128-12

— C Board —


C
SONY
1-618-764-11
-78
C4
C6
C1
C2
C3
C5
B DRIVE
G DRIVE
SCREEN
J701
VM OUT
SG701
SG702
SG703


D2
(CHROMA DECODER)
2Vp-p(H) SECAM
1.1Vp-p(H) PAL
1.4Vp-p(H) NTSC
0.1Vp-p(H) NTSC
0.1Vp-p(M) SECAM
Q302 JC501TP-Q
SECAM CHROMA OUT
Q301 JC501TP-Q
PAL/N CHROMA OUT
BELL
T301
CHROMA
0.1Vp-p(H) NTSC
Q315 JC501TP-Q
VIDEO BUFF
0.1Vp-p(H) PAL
Q303,306 DTC124ES-TP
BPF SW-1,2
0.2Vp-p(H) SECAM
D304 ISS133T-77
NT 3.58 M SW
1Vp-p(H) SECAM
1Vp-p(H) NTSC
12V
IC301
TDA4555
CHROMA DECODER
RV301 220 PHASE
DL301
L302
L303
L304 8.2μH
TH301 S-300
ACC
ACC DEMOD
DC FEED B
FORCED STANDARD SETTING
SYSCON. STANDARD SCANNING
IDENT
PAL/NTSC
SECAM V/H/V+H
2fi-OSC PAL/NTSC DIVIDER, PLL
HUE NTSC ±30°
SERVICE
DL AMP DRIVER
BURST BLANK
MATRIX SECAM LIMITER PERMULATOR
SECAM-Ref
DEMODULA
SECAM DEEMPH BLANKING COLOUR KILLER
SANDCASLLE PULSE DELEC
PULSE PROCESSING
0.2Vp-p(H)
0.3Vp-p(H) SECAM
0.9Vp-p(H) SECAM
0.4Vp-p(H) SECAM
1.1Vp-p(H) NTSC
1.4Vp-p(H) SECAM
1Vp-p(H) SECAM
0.8Vp-p(H) NTSC
1Vp-p(H) PAL
CNJ-2
L310 150μH
L312 150μH
+12V
B-Y OUT
R-Y OUT
Y OUT
PAL
SECAM
NT 3.58
NT 4.43
SCP IN
VIDEO IN
HUE
+12V
TO D BOARD CNP-2
B.P.F
BPF301
CT301 4.43M
X301 8.86MHz
CT302 3.58M
X302 7.16MHz
Q308
Q307
Q305
Q312
D306 MC931TP
PROTECT
Q305,312 JC501TP-Q
SCP SW-1,2
D301,303 ISS133T-77
NT 4.43M SW 1,2
D302,305 ISS133T-77
PAL SW 1,2
Q308 DTC124ES-TP
4.43M CW
Q307 DTC124ES-TP
3.58M CW
Q304 JC501TP-Q
3.58M TRAP
Q313 JC501TP-Q
Y AMP
Q309 JC501TP-Q
4.25M TRAP
L306 470μH
L307 4.25MHz
L308 33μH
L309 4.43MHz
L313 47μH
0.9Vp-p(H) SECAM
1Vp-p(H) NTSC
VIDEO
C346 0.0047
1
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9
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11
12
13
14
15
A
B
C
D
E
F
G
H
I
J

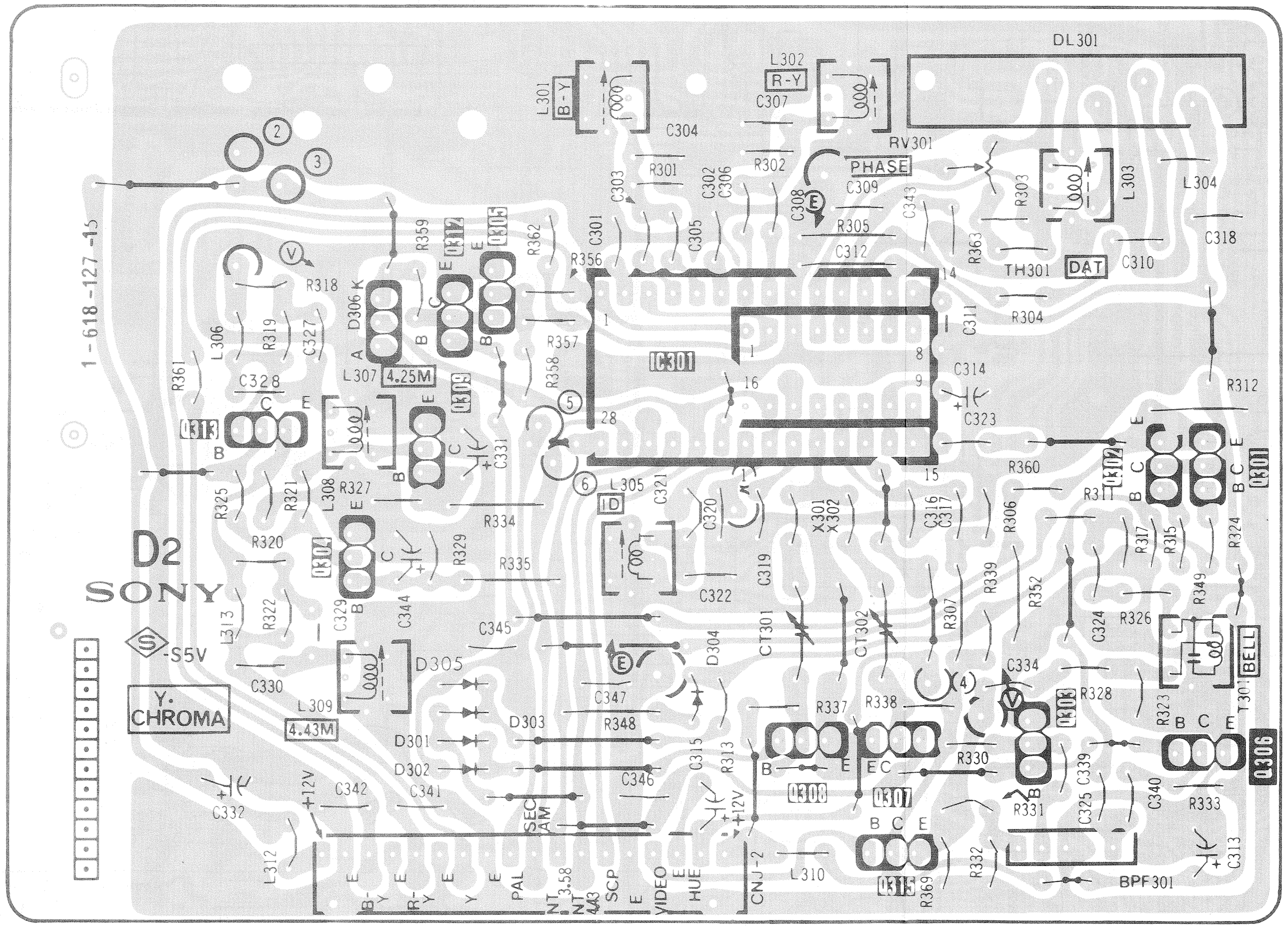
D2 [CHROMA DECODER]

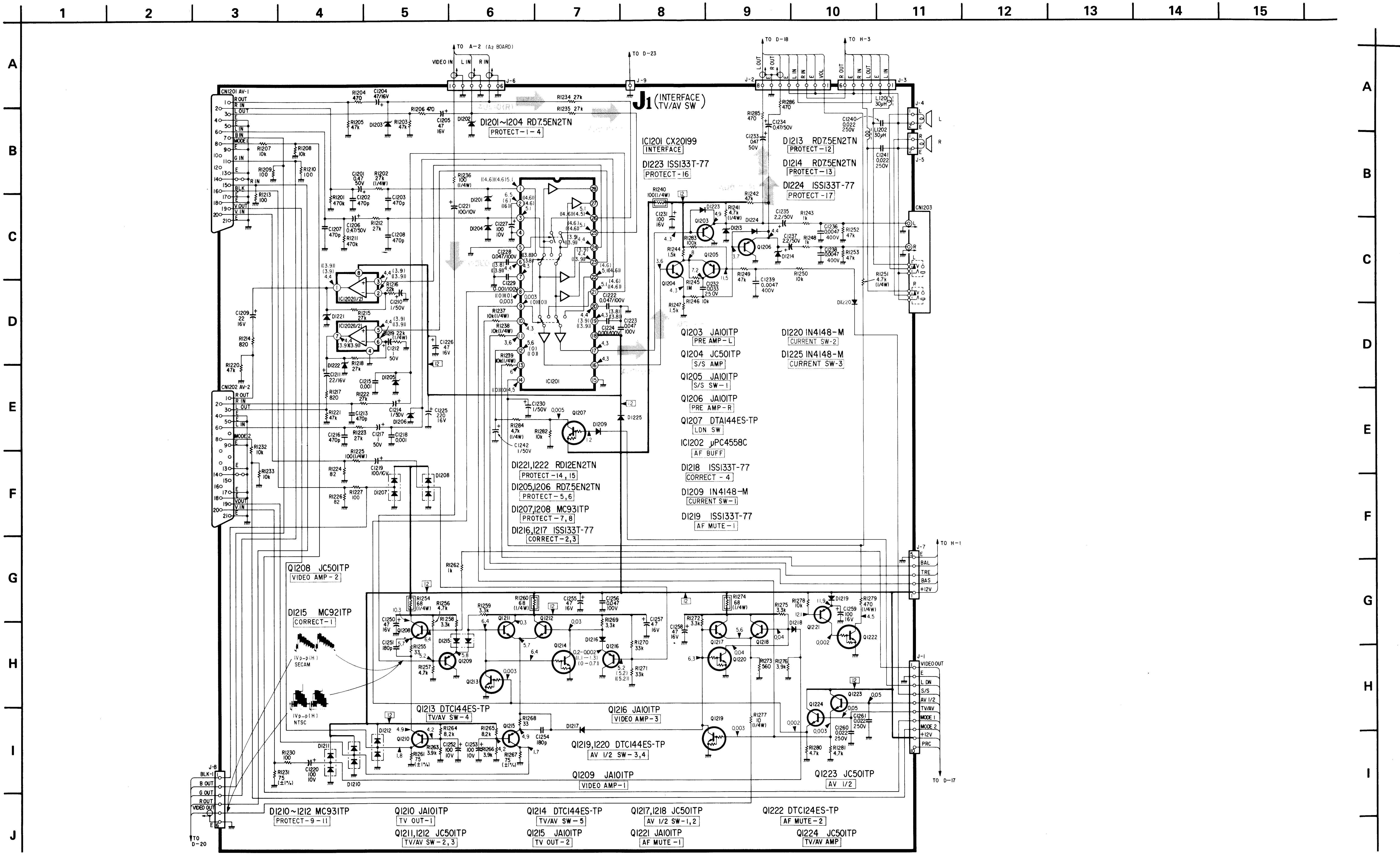
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A B C D E F G H I

– D2 Board –

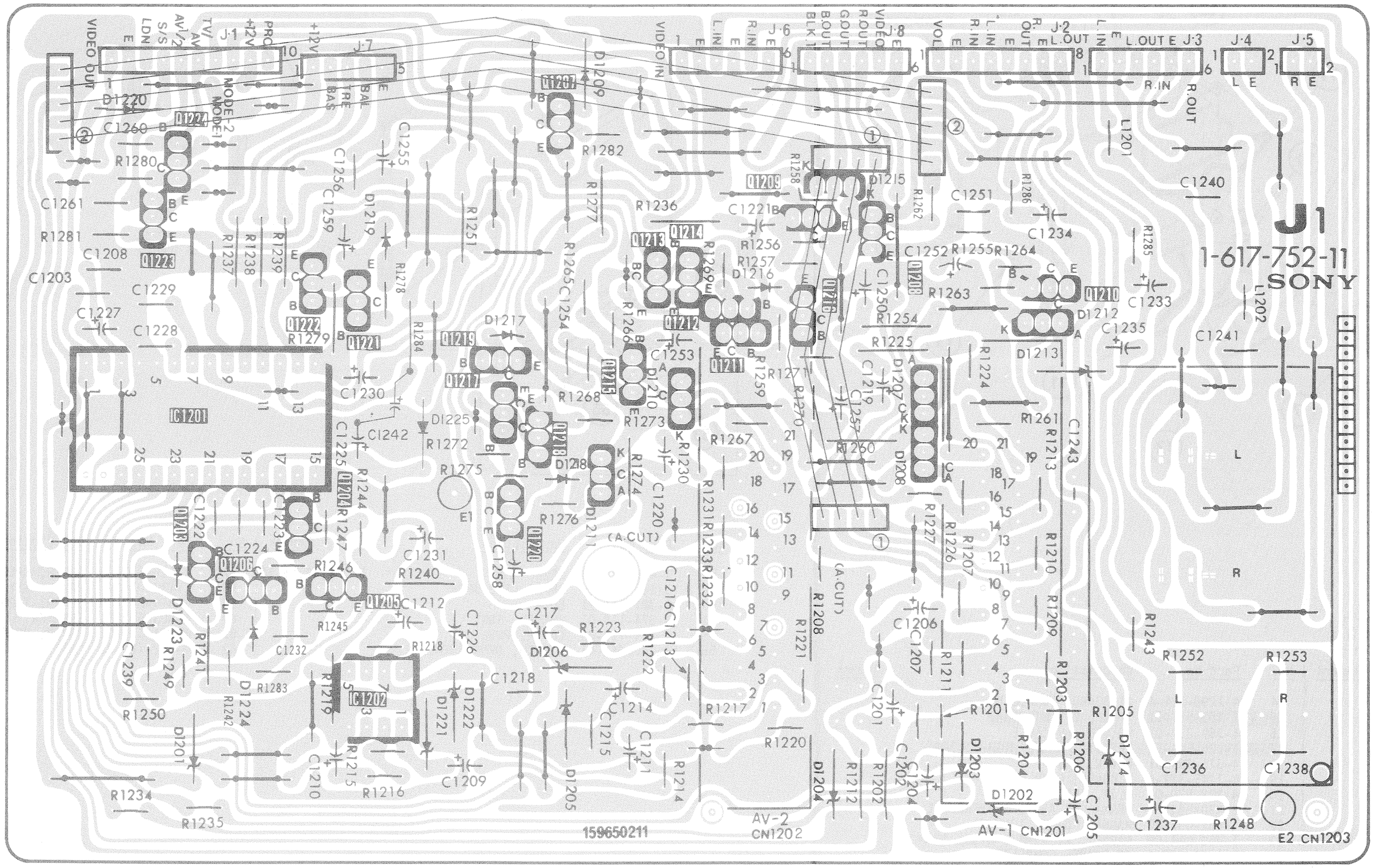
Q IC	312 305 313 304 309 IC301 308 315 307 303 302, 301 306
D	306 305 301 - 303 304
ADJ	L307 L309 L301 L303 L302 RV301 L303 T301


DL301
L301
B-Y
L302
R-Y
C307
C304
RV301
PHASE
C309
R301
R302
C302
C306
C303
C308
R305
C343
R303
L303
L304
C305
C301
C312
R363
TH301
DAT
C310
C318
R356
R362
R359
IC312
IC305
R318
D306
K
A
L306
R319
C327
4.25M
L307
IC301
1
16
28
14
8
9
15
C311
R304
C314
C323
R312
R357
R358
R361
C328
IC313
IC309
C331
R360
IC302
IC301
R325
R321
L308
R327
L305
ID
C321
C320
X301
X302
C316
C317
R306
R317
R315
R324
D2
SONY
R320
IC304
R329
R334
R335
C322
C319
R339
R352
R349
R313
R322
C329
C344
C345
CT301
CT302
R307
C324
R326
BELL
T301
S5V
Y.
CHROMA
C330
L309
4.43M
D305
D304
C347
R348
C334
IC303
R328
D303
D301
D302
R337
R338
R330
IC306
R323
C332
+12V
C342
C341
C346
C315
R313
IC308
IC307
R331
C325
C339
C340
R333
L312
SEC
AM
+12V
CNJ-2
L310
IC315
R369
R332
BPF301
C313
E
B-Y
R-Y
Y
PAL
NT 3.58
NT 4.43
SCP
VIDEO
HUE
1-618-127-15


J1 (INTERFACE TV/AV SW)
TO A-2 (A2 BOARD)
VIDEO IN
L IN
R IN
TO D-23
TO D-18
TO H-3
TO H-1
TO D-17
TO D-20
CN1201 AV-1
CN1202 AV-2
CN1203
IC1201 CX20199
INTERFACE
IC1202 μPC4558C
AF BUFF
D1201~1204 RD7.5EN2TN
PROTECT-1-4
D1213 RD7.5EN2TN
PROTECT-12
D1214 RD7.5EN2TN
PROTECT-13
D1223 ISS133T-77
PROTECT-16
D1224 ISS133T-77
PROTECT-17
Q1203 JA101TP
PRE AMP-L
Q1204 JC501TP
S/S AMP
Q1205 JA101TP
S/S SW-1
Q1206 JA101TP
PRE AMP-R
Q1207 DTA144ES-TP
LDN SW
D1218 ISS133T-77
CORRECT-4
D1209 1N4148-M
CURRENT SW-1
D1219 ISS133T-77
AF MUTE-1
D1220 1N4148-M
CURRENT SW-2
D1225 1N4148-M
CURRENT SW-3
D1221,1222 RD12EN2TN
PROTECT-14,15
D1205,1206 RD7.5EN2TN
PROTECT-5,6
D1207,1208 MC931TP
PROTECT-7,8
D1216,1217 ISS133T-77
CORRECT-2,3
Q1208 JC501TP
VIDEO AMP-2
D1215 MC921TP
CORRECT-1
1Vp-p(H)
SECAM
1Vp-p(H)
NTSC
Q1213 DTC144ES-TP
TV/AV SW-4
Q1216 JA101TP
VIDEO AMP-3
Q1219,1220 DTC144ES-TP
AV 1/2 SW-3,4
Q1209 JA101TP
VIDEO AMP-1
Q1223 JC501TP
AV 1/2
D1210~1212 MC931TP
PROTECT-9-11
Q1210 JA101TP
TV OUT-1
Q1211,1212 JC501TP
TV/AV SW-2,3
Q1214 DTC144ES-TP
TV/AV SW-5
Q1215 JA101TP
TV OUT-2
Q1217,1218 JC501TP
AV 1/2 SW-1,2
Q1221 JA101TP
AF MUTE-1
Q1222 DTC124ES-TP
AF MUTE-2
Q1224 JC501TP
TV/AV AMP
J-1 VIDEO OUT
E
L DN
S/S
AV 1/2
TV/AV
MODE 1
MODE 2
+12V
PRC
J-7
BAL
TRE
BAS
+12V
J-8
BLK-1
B OUT
G OUT
R OUT
VIDEO OUT
J-4 L
J-5 R
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J

J1 [INTERFACE TV/AV SW]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
A Q IC			1224 1223 IC1201 1203	1222 1204 1205 1206	1221 1202	1207 1217 – 1220	1211 – 1215	1209 1208 1216		1210				
B D			1220 1223 1201	1224	1219 1225 1221	1209 1217 1218 1206 1222 1205	1211 1210	1216 1215 1204	1207 1208 1203	1213 1212 1202	1214			
C ADJ														


J1
1-617-752-11
SONY
VIDEO OUT
J-1
J-7
J-6
J-8
J-2
J-3
J-4
J-5
VIDEO IN
L IN
R IN
L OUT
R OUT
R.IN
IC1201
IC1202
Q1201
Q1203
Q1204
Q1205
Q1206
Q1207
Q1208
Q1209
Q1210
Q1211
Q1212
Q1213
Q1214
Q1215
Q1216
Q1217
Q1218
Q1219
Q1220
Q1221
Q1222
Q1223
Q1224
L1201
L1202
E1
E2
(A.CUT)
AV-2 CN1202
AV-1 CN1201
CN1203
159650211

SECTION 7

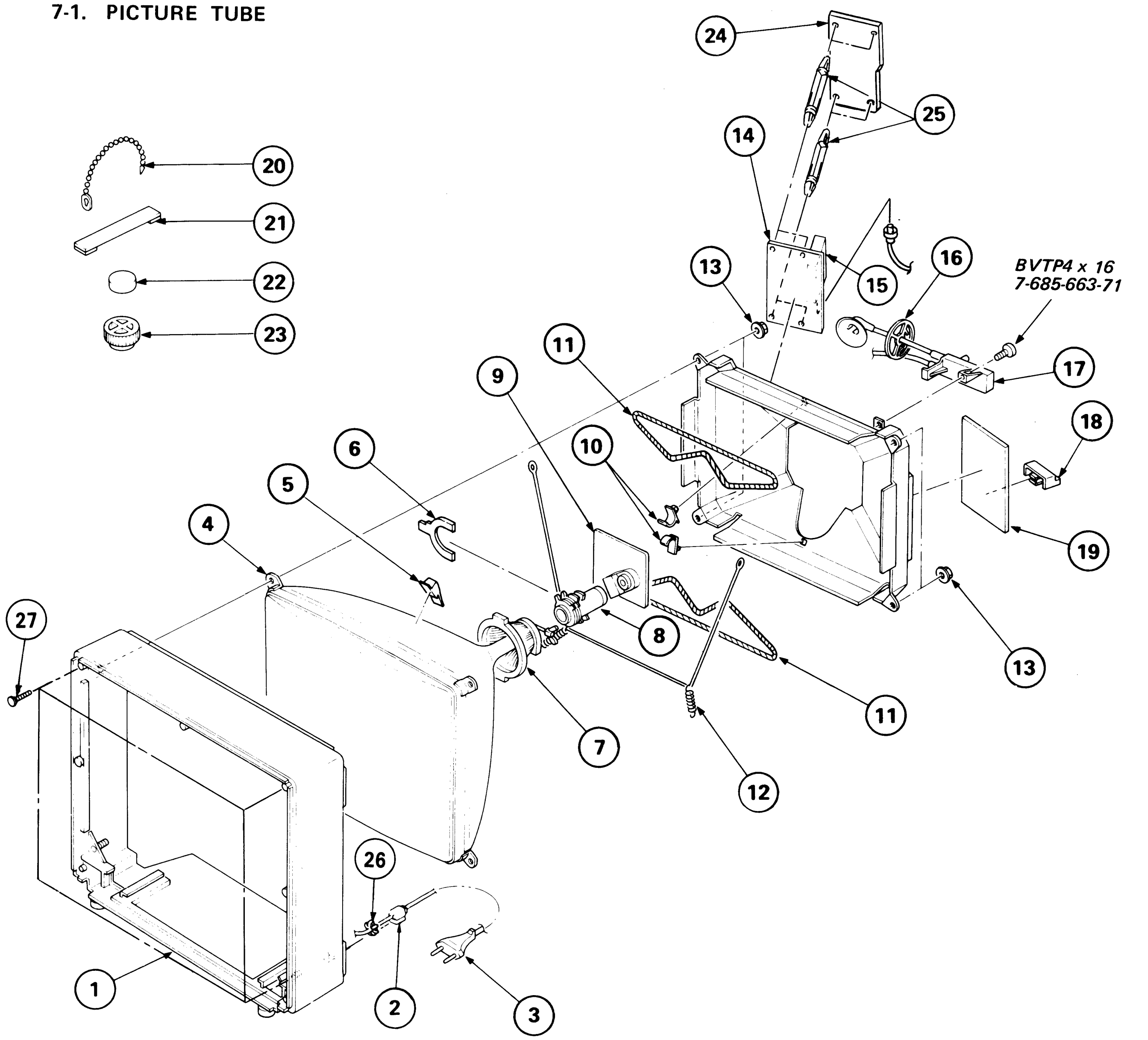
EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

> The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

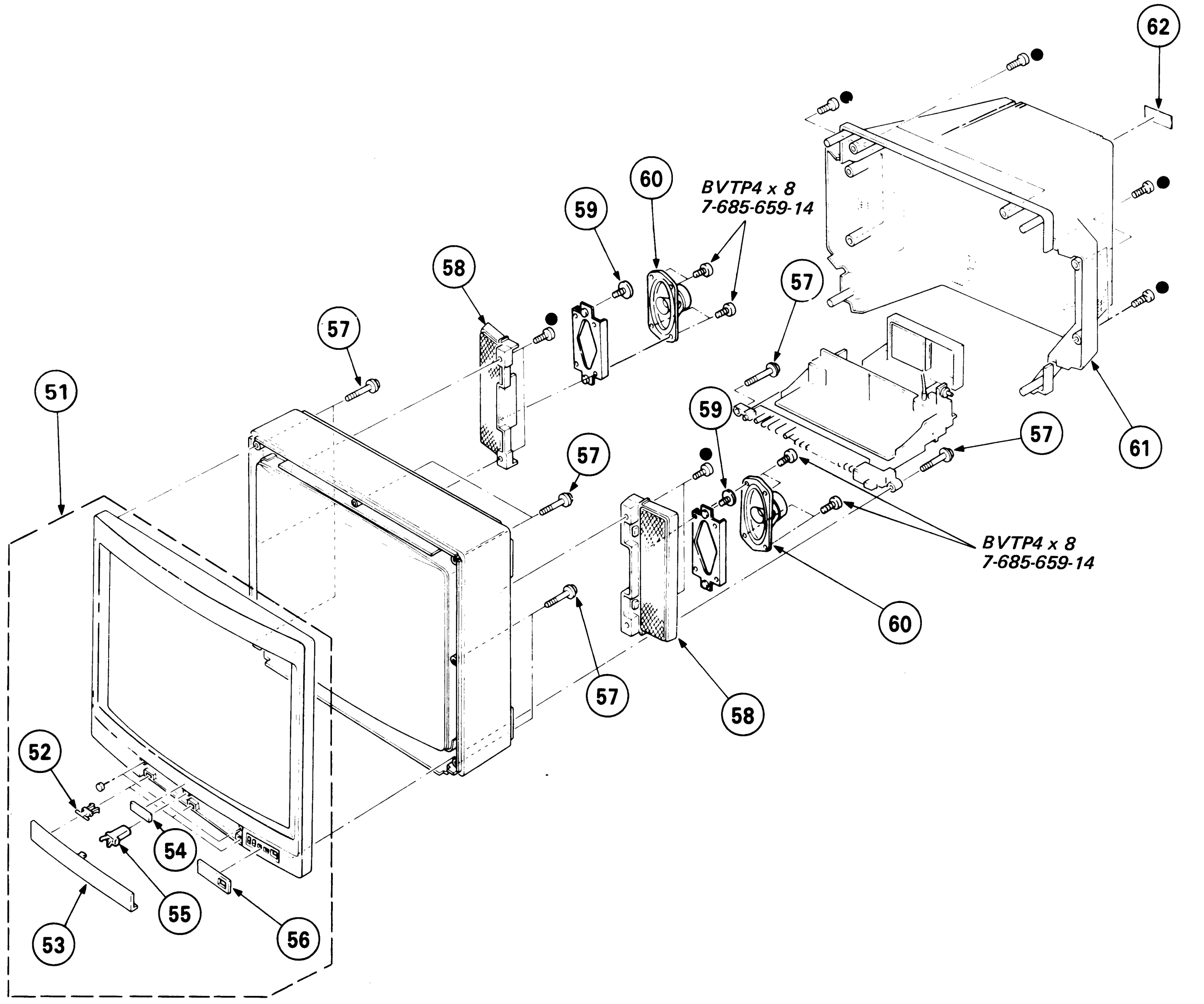
7-1. PICTURE TUBE



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	4-381-118-01	CABINET		14	*A-1296-224-A	A1 BOARD, COMPLETE	
2	⚠.4-022-115-01	HOLDER, AC CORD		15	⚠.1-463-577-11	TUNER, ET (BT-883A)	
3	⚠.1-551-270-11	CORD, POWER		16	*4-369-234-01	HOLDER, HV CABLE	
4	⚠.8-736-653-05	CRT (A64JKJ60X)		17	⚠.1-228-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
5	3-703-003-00	SPACER, DY		18	*4-375-709-01	COVER, FUSE	
6	1-452-146-21	MAGNET, BMC		19	*A-1245-329-A	F BOARD, COMPLETE	
7	⚠.1-451-255-31	DEFLECTION YOKE (SY-164)		20	4-308-870-00	CLIP, LEAD WIRE	
8	⚠.1-452-391-21	NECK ASSY, CRT (NA305)		21	X-4308-815-6	PERMALLOY ASSY, CONVERGENCE	
9	*A-1330-706-A	C BOARD, COMPLETE		22	1-452-032-00	MAGNET, DISK; 10MM ø	
10	*4-371-629-01	STOPPER, WIRE		23	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ø	
11	⚠.1-426-278-11	COIL, DEMAGNETIZATION		24	*A-1296-225-A	A2 BOARD, COMPLETE	
12	4-303-774-XX	SPRING		25	*3-703-353-11	SUPPORT, PC BOARD	
13	4-373-210-01	NUT, SPECIAL		26	1-543-179-00	CORE, RING	
				27	3-703-565-11	SCREW, TAPPING (DIA. 4.5)	

7-2. BEZEL

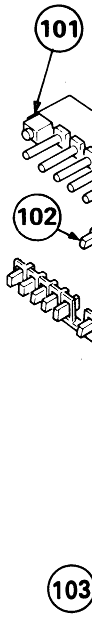
●: BVTP4 x 16 7-685-663-71



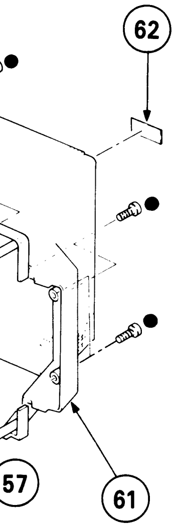
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	X-4380-619-1	BEZEL ASSY	52,53,54,55,56	57	4-319-520-00	SCREW, SPECIAL (+PW4X30)	
52	3-662-365-00	SHAFT (S), DOOR		58	X-4374-146-1	PANEL ASSY, SPEAKER	
53	4-381-111-21	DOOR		59	4-314-843-00	SCREW, TAPPING, +4X12	
54	*4-374-115-01	EMBLEM, SONY		60	1-503-642-11	SPEAKER	
55	4-374-714-01	CATCH, PUSH		61	4-381-116-01	COVER, REAR	
56	*4-380-653-01	WINDOW, ORNAMENTAL		62	*4-382-711-01	LABEL (B), COMBINATION	

7-3.

■: BV



No.	Par
101	*1-
102	4-
103	*1-
104	4-
105	⚠.1-
106	*4-
107	*A-
108	*1-

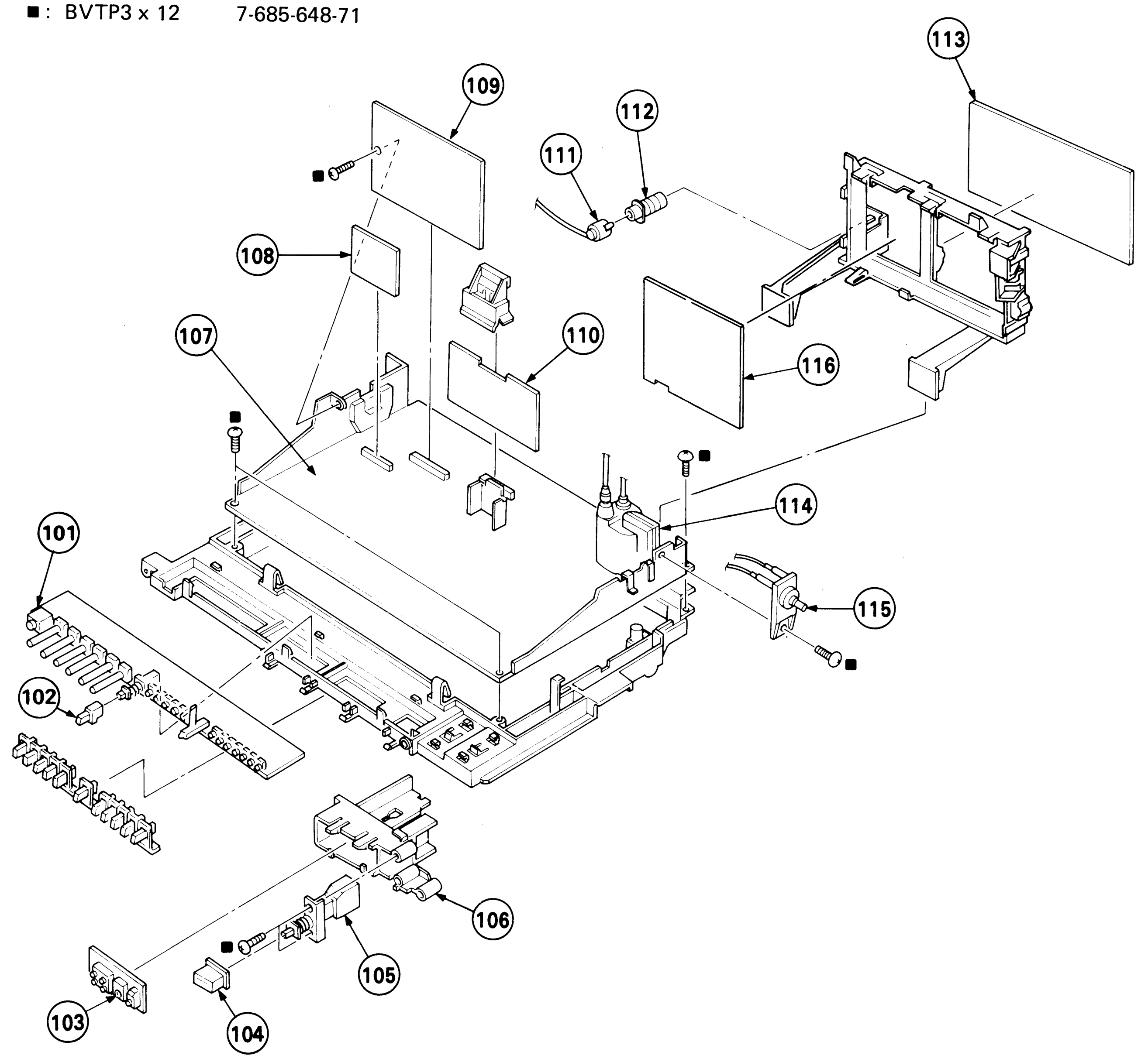


4 x 8
-659-14

Remark
.30)
N

7-3. CHASSIS

■ : BVTP3 x 12 7-685-648-71



No.	Part No.	Description	Remark
101	*1-617-747-11	H1 BOARD	
102	4-376-524-01	BUTTON, PRESET	
103	*1-617-746-11	H2 BOARD	
104	4-380-624-01	BUTTON, POWER	
105	⚠.1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)	
106	*4-380-623-01	BRACKET, POWER SWITCH	
107	*A-1345-680-A	D BOARD, COMPLETE	
108	*1-618-128-11	D3 BOARD	
109	*A-1345-679-A	D2 BOARD, COMPLETE	
110	*A-1340-808-A	D1 BOARD, COMPLETE	
111	*1-558-539-21	CABLE, P-P	
112	⚠.1-563-204-13	SOCKET, ANTENNA (PAL/SECAM)	
113	*A-1371-210-A	J1 BOARD, COMPLETE	
114	⚠.1-439-332-42	TRANSFORMER ASSY, FLYBACK	
115	⚠.1-237-280-11	RESISTOR ASSY, HIGH-VOLTAGE	
116	*A-1325-024-A	V BOARD, COMPLETE	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

F

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

Ref.No.	Part No.	Description			Remark
	*A-1245-329-A	F BOARD, COMPLETE *****************			
		CAPACITOR			
C601	⚠.1-117-121-51	PAPER	0.22MF	20%	250V
C602	⚠.1-117-121-51	PAPER	0.22MF	20%	250V
C603	1-162-578-00	CERAMIC	0.0047MF	20%	400V
C604	1-162-578-00	CERAMIC	0.0047MF	20%	400V
C605	⚠.1-162-578-51	CERAMIC	0.0047MF	20%	400V
C606	⚠.1-162-578-51	CERAMIC	0.0047MF	20%	400V
C607	⚠.1-161-964-61	CERAMIC	0.0047MF		250V
C608	⚠.1-161-964-61	CERAMIC	0.0047MF		250V
C609	⚠.1-161-964-61	CERAMIC	0.0047MF		250V
C610	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V
C611	1-110-175-81	MYLAR	0.1MF	10%	100V
C612	1-106-180-00	MYLAR	0.0022MF	5%	50V
C613	1-123-356-00	ELECT	10MF	20%	16V
C614	1-123-356-00	ELECT	10MF	20%	16V
C615	1-102-106-00	CERAMIC	100PF	10%	50V
C616	1-123-369-00	ELECT	4.7MF	20%	25V
C617	1-110-186-81	MYLAR	0.0047MF	10%	400V
C618	1-102-030-00	CERAMIC	330PF	10%	500V
C619	1-110-182-81	MYLAR	0.022MF	10%	250V
C620	1-123-332-00	ELECT	47MF	20%	16V
C621	1-136-065-00	FILM	0.0027MF	3%	2KV
C622	1-123-385-00	ELECT	22MF	20%	100V
C623	1-161-973-00	CERAMIC	220PF	10%	400V
C624	1-161-973-00	CERAMIC	220PF	10%	400V
C625	1-123-380-00	ELECT	1MF	20%	50V
C627	1-123-380-00	ELECT	1MF	20%	50V
C628	1-106-180-00	MYLAR	0.0022MF	5%	50V
C632	1-102-038-00	CERAMIC	0.001MF		500V
C633	⚠.1-117-121-51	PAPER	0.22MF	20%	250V
C634	1-110-175-81	MYLAR	0.1MF	10%	100V
C635	⚠.1-117-121-51	PAPER	0.22MF	20%	250V
C651	1-162-115-00	CERAMIC	330PF	10%	2KV
C652	1-124-347-00	ELECT	100MF	20%	160V
C653	1-123-364-00	ELECT	1000MF	20%	50V
C654	1-123-606-00	ELECT	1000MF	20%	25V
C655	1-123-606-00	ELECT	1000MF	20%	25V
C656	1-102-038-00	CERAMIC	0.001MF		500V
C657	1-123-380-00	ELECT	1MF	20%	50V
C658	1-123-332-00	ELECT	47MF	20%	16V
C659	1-102-074-00	CERAMIC	0.001MF	10%	50V
C660	1-123-875-91	ELECT	10MF	20%	50V
C661	1-123-973-00	ELECT	100MF	20%	16V
C662	1-110-190-81	MYLAR	0.01MF	10%	400V
C663	1-123-380-00	ELECT	1MF	20%	50V
C664	1-124-038-00	ELECT	1MF	20%	50V
C665	1-123-380-00	ELECT	1MF	20%	50V
C666	1-123-307-00	ELECT	100MF	20%	6.3V
C667	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C668	1-110-190-81	MYLAR	0.01MF	10%	400V

Ref.No.	Part No.	Description		Remark
C669	1-102-038-00	CERAMIC	0.001MF	500V
C670	1-101-004-00	CERAMIC	0.01MF	50V
		DIODE		
D601	8-719-503-06	DIODE S3WB60Z		
D602	8-719-100-65	DIODE RD12E-B2		
D603	8-719-815-55	DIODE 1S1555		
D604	8-759-157-40	IC UPC574J		
D605	8-719-901-93	DIODE V19E		
D606	8-719-815-55	DIODE 1S1555		
D607	8-719-815-55	DIODE 1S1555		
D608	8-719-815-55	DIODE 1S1555		
D609	8-719-305-15	DIODE GH3F		
D651	8-719-928-08	DIODE ERD28-08S		
D652	8-719-901-93	DIODE V19E		
D653	8-719-901-93	DIODE V19E		
D654	8-719-300-59	DIODE CTU-12S		
D655	8-719-000-12	DIODE MC931		
D656	8-719-300-59	DIODE CTU-12S		
D657	8-719-901-93	DIODE V19E		
D658	8-719-102-74	DIODE RD6.2E-N2		
D659	8-719-102-71	DIODE RD5.6E-N2		
D660	8-719-815-55	DIODE 1S1555		
D661	8-719-815-55	DIODE 1S1555		
D662	8-719-901-93	DIODE V19E		
D663	8-719-102-74	DIODE RD6.2E-N2		
D664	8-719-100-65	DIODE RD12E-B2		
		CONNECTOR		
F1	*1-506-348-XX	3P PLUG (L)		
F2	*1-508-765-00	3P PLUG (M)		
F3	*1-508-786-00	2P PLUG (M)		
F4	*1-508-765-00	3P PLUG (M)		
F6	*1-564-880-31	PLUG, CONNECTOR 3P		
F7	*1-564-883-11	PLUG, CONNECTOR 6P		
		FUSE		
F601	⚠.1-532-350-11	FUSE, TIME-LAG 4A/250V		
	1-533-149-00	HOLDER, FUSE; F601		
		IC		
IC601	8-759-100-75	IC UPC1394C		
IC602	⚠.8-719-800-82	DIODE TLP581		
IC651	8-759-145-58	IC UPC4558C		
		COIL		
L601	1-407-365-00	COIL, CHOKE		
L651	1-425-613-00	COIL, AIR-CORE, QF TYPE		
L652	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)		
L653	1-425-613-00	COIL, AIR-CORE, QF TYPE		
L654	1-425-613-00	COIL, AIR-CORE, QF TYPE		

TRANSISTOR

Ref.No.	Part No.	Description
Q601	8-729-195-82	TRANSISTOR 2SC2958
Q602	8-729-301-00	TRANSISTOR 2SD1497-02
	4-365-216-00	SPACER, MICA; Q602
	*4-368-683-01	SPRING; Q602
Q603	8-729-178-54	TRANSISTOR 2SC2785
Q651	8-729-109-53	TRANSISTOR 2SD795A
Q652	8-729-178-54	TRANSISTOR 2SC2785
Q653	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

Ref.No.	Part No.	Description				Remark
R601 ⚠	1-217-328-11	WIREWOUND	2.7	10%	7W	F
R602 ⚠	1-244-945-91	CARBON	1M	5%	1/2W	
R603 ⚠	1-205-758-11	CEMENTED	100	10%	10W	F
R604 ⚠	1-247-289-11	CARBON	8.2M	5%	1W	
R605	1-215-798-91	METAL	330K	5%	1/6W	
R606	1-215-770-91	METAL	22K	5%	1/6W	
R608	1-215-746-91	METAL	2.2K	5%	1/6W	
R609	1-215-871-11	METAL OXIDE	2.2K	5%	1W	F
R611	1-215-774-91	METAL	33K	5%	1/6W	
R612 ⚠	1-215-904-51	METAL OXIDE	100K	5%	2W	F
R613	1-215-872-11	METAL OXIDE	3.3K	5%	1W	F
R614	1-215-894-11	METAL OXIDE	2.2K	5%	2W	F
R615	1-205-793-00	CEMENTED	30K	10%	10W	
R616	1-215-772-91	METAL	27K	5%	1/6W	
R621	1-215-762-91	METAL	10K	5%	1/6W	
R622	1-215-770-91	METAL	22K	5%	1/6W	
R623	1-215-162-00	METAL	2.7K	5%	1/4W	
R624	1-215-754-91	METAL	4.7K	5%	1/6W	
R625	1-215-786-91	METAL	100K	5%	1/6W	
R626	1-215-150-00	METAL	820	5%	1/4W	
R627	1-215-722-91	METAL	220	5%	1/6W	
R628	1-215-796-91	METAL	270K	5%	1/6W	
R629	1-215-758-91	METAL	6.8K	5%	1/6W	
R630	1-215-112-00	METAL	22	5%	1/4W	
R631	1-205-728-00	CEMENTED	47	10%	7W	
R632	1-217-192-00	WIREWOUND	0.22	10%	2W	F
R633	1-215-794-91	METAL	220K	5%	1/6W	
R634	1-215-778-91	METAL	47K	5%	1/6W	
R636	1-215-788-91	METAL	120K	5%	1/6W	
R637	1-215-770-91	METAL	22K	5%	1/6W	
R638	1-215-430-00	METAL	2.4K	1%	1/6W	
R639	1-215-754-91	METAL	4.7K	5%	1/6W	
R640 ⚠	1-215-192-81	METAL	47K	5%	1/4W	
R641 ⚠	1-202-613-35	SOLID	47K	10%	1/2W	
R651	1-216-477-11	METAL OXIDE	270	5%	3W	F
R652	1-216-430-11	METAL OXIDE	390	5%	1W	F
R653	1-215-754-91	METAL	4.7K	5%	1/6W	
R654	1-216-464-11	METAL OXIDE	18K	5%	2W	F
R655	1-215-794-91	METAL	220K	5%	1/6W	
R656	1-215-778-91	METAL	47K	5%	1/6W	
R657	1-215-698-91	METAL	22	5%	1/6W	
R659	1-215-865-11	METAL OXIDE	220	5%	1W	F
R660	1-216-370-11	METAL OXIDE	1.2	5%	2W	F
R662	1-215-776-91	METAL	39K	5%	1/6W	
R663	1-215-764-91	METAL	12K	5%	1/6W	
R664	1-215-200-00	METAL	100K	5%	1/4W	
R665	1-215-754-91	METAL	4.7K	5%	1/6W	
R666	1-215-144-00	METAL	470	5%	1/4W	
R667	1-215-126-81	METAL	82	5%	1/4W	
R668	1-215-778-91	METAL	47K	5%	1/6W	
R669	1-215-752-91	METAL	3.9K	5%	1/6W	
R670	1-215-746-91	METAL	2.2K	5%	1/6W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description
RV651	1-230-627-11	RES, ADJ, CARBON 1K
RV652	1-226-702-00	RES, ADJ, METAL GLAZE 2.2K

TRANSFORMER

Ref.No.	Part No.	Description
T601 ⚠	1-421-776-11	LFT
T602 ⚠	1-421-592-11	TRANSFORMER, FERRITE
T603	1-437-079-00	TRANSFORMER, HORIZONTAL DRIVE
T605 ⚠	1-421-733-22	SRT
T606 ⚠	1-421-866-11	LFT

THERMISTOR

Ref.No.	Part No.	Description
TH601	1-800-944-00	THERMISTOR TH-4700
TH651	1-800-944-00	THERMISTOR TH-4700
THP601 ⚠	1-806-387-11	THERMISTOR (POSITIVE)

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Ref.No.	Part No.	Description
	*A-1296-224-A	A1 BOARD, COMPLETE ******************
	1-536-401-XX	L-TYPE TERMINAL STRIP
	*1-564-890-11	PLUG, CONNECTOR 13P

CAPACITOR

Ref.No.	Part No.	Description			
C101	1-102-934-00	CERAMIC	1PF	0.25PF	50V
C102	1-102-934-00	CERAMIC	1PF	0.25PF	50V
C103	1-123-318-00	ELECT	33MF	20%	16V
C104	1-123-356-00	ELECT	10MF	20%	16V
C105	1-123-323-00	ELECT	470MF	20%	16V
C106	1-110-175-81	MYLAR	0.1MF	10%	100V
C107	1-110-173-81	MYLAR	0.068MF	10%	100V
C108	1-110-173-81	MYLAR	0.068MF	10%	100V
C109	1-102-963-00	CERAMIC	33PF	5%	50V
C110	1-123-318-00	ELECT	33MF	20%	16V
C111	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C112	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C113	1-102-074-00	CERAMIC	0.001MF	10%	50V
C114	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C115	1-102-530-00	CERAMIC	120PF	5%	50V
C116	1-102-531-00	CERAMIC	150PF	5%	50V
C117	1-102-851-00	CERAMIC	15PF	5%	50V

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

A1

Ref.No.	Part No.	Description			Remark
C118	1-102-523-00	CERAMIC	56PF	5%	50V
C119	1-102-074-00	CERAMIC	0.001MF	10%	50V
C120	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C121	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C122	1-123-381-00	ELECT	2.2MF	20%	50V
C123	1-123-318-00	ELECT	33MF	20%	16V
C124	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C125	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C127	1-102-621-00	CERAMIC	68PF	5%	50V
C128	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C129	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C130	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C131	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C132	1-102-621-00	CERAMIC	68PF	5%	50V
C133	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C134	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C135	1-123-333-00	ELECT	100MF	20%	16V
C136	1-110-175-81	MYLAR	0.1MF	10%	100V
C137	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C138	1-102-074-00	CERAMIC	0.001MF	10%	50V
C139	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C140	1-161-272-00	CERAMIC	120PF	5%	50V
C141	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C142	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C143	1-123-356-00	ELECT	10MF	20%	16V
C144	1-123-380-00	ELECT	1MF	20%	50V
C145	1-110-188-81	MYLAR	0.0068MF	10%	400V
C146	1-101-004-00	CERAMIC	0.01MF		50V
C147	1-101-004-00	CERAMIC	0.01MF		50V
C148	1-123-318-00	ELECT	33MF	20%	16V
C149	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C151	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C152	1-123-379-00	ELECT	0.47MF	20%	50V
C153	1-101-361-00	CERAMIC	150PF	5%	50V
C154	1-108-618-91	MYLAR	0.0022MF	10%	100V
C155	1-102-621-00	CERAMIC	68PF	5%	50V
C156	1-123-318-00	ELECT	33MF	20%	16V
C157	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C158	1-101-004-00	CERAMIC	0.01MF		50V
C159	1-101-004-00	CERAMIC	0.01MF		50V
C160	1-101-004-00	CERAMIC	0.01MF		50V
C161	1-124-002-11	ELECT	1MF	20%	50V
C162	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C164	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C165	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C166	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C170	1-123-356-00	ELECT	10MF	20%	16V
C171	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C172	1-161-328-00	CERAMIC	0.0047MF	30%	50V
C173	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C174	1-102-074-00	CERAMIC	0.001MF	10%	50V

Ref.No.	Part No.	Description	Remark
		FILTER	
CD101	1-404-708-11	DISCRIMINATOR, CERAMIC	
CD102	1-404-709-11	DISCRIMINATOR, CERAMIC	
CF101	1-527-840-00	FILTER, CERAMIC	
CF102	1-567-728-11	FILTER, CERAMIC	
SWF101	1-404-717-11	FILTER, SURFACE WAVE	
SWF102	1-404-711-11	SAWF	
SWF103	1-404-712-11	SAWF	
		DIODE	
D101	8-719-911-19	DIODE 1SS119	
D102	8-719-903-27	DIODE 1SS168	
D103	8-719-903-27	DIODE 1SS168	
D104	8-719-903-27	DIODE 1SS168	
D105	8-719-903-27	DIODE 1SS168	
D108	8-719-000-06	DIODE MC921	
D109	8-719-000-06	DIODE MC921	
D110	8-719-000-06	DIODE MC921	
D111	8-719-109-89	DIODE RD5.6ES-B2	
D112	8-719-911-19	DIODE 1SS119	
D113	8-719-911-19	DIODE 1SS119	
D114	8-719-911-19	DIODE 1SS119	
D115	8-719-911-19	DIODE 1SS119	
D116	8-719-911-19	DIODE 1SS119	
D118	8-719-911-19	DIODE 1SS119	
		IC	
IC101	8-759-911-16	IC TDA4429T	
	*4-369-734-01	HEAT SINK; IC101	
IC102	8-759-011-69	IC TDA2460	
IC103	8-759-909-54	IC TDA2546A	
		COIL	
L101	1-408-228-21	MICRO INDUCTOR 560UH	
L102	1-410-467-21	MICRO INDUCTOR 5.6UH	
L103	1-410-460-11	MICRO INDUCTOR 1.5UH	
L106	1-410-467-21	MICRO INDUCTOR 5.6UH	
L108	1-410-471-11	MICRO INDUCTOR 12UH	
L109	1-410-467-21	MICRO INDUCTOR 5.6UH	
L110	1-408-225-00	MICRO INDUCTOR 3.3UH	
L111	1-410-460-11	MICRO INDUCTOR 1.5UH	
L112	1-410-470-11	MICRO INDUCTOR 10UH	
		TRANSISTOR	
Q101	8-729-901-59	TRANSISTOR BF199	
Q102	8-729-000-12	TRANSISTOR BF959	
Q103	8-729-903-02	TRANSISTOR DTA143XS	
Q104	8-729-903-02	TRANSISTOR DTA143XS	
Q105	8-729-903-02	TRANSISTOR DTA143XS	
Q106	8-729-178-54	TRANSISTOR 2SC2785	
Q107	8-729-900-89	TRANSISTOR DTC144ES	
Q108	8-729-900-89	TRANSISTOR DTC144ES	
Q109	8-729-900-63	TRANSISTOR DTA124ES	

Ref.No.	Part No.	Description	Remark
Q110	8-729-900-36	TRANSISTOR DTC124ES	
Q111	8-729-900-89	TRANSISTOR DTC144ES	
Q112	8-729-900-89	TRANSISTOR DTC144ES	
Q113	8-729-900-65	TRANSISTOR DTA144ES	
Q114	8-729-900-89	TRANSISTOR DTC144ES	
Q116	8-729-900-36	TRANSISTOR DTC124ES	
Q118	8-729-105-47	TRANSISTOR 2SC2026-L	
Q119	8-729-900-36	TRANSISTOR DTC124ES	
Q120	8-729-900-36	TRANSISTOR DTC124ES	
Q122	8-729-900-89	TRANSISTOR DTC144ES	
Q123	8-729-903-02	TRANSISTOR DTA143XS	
Q124	8-729-178-54	TRANSISTOR 2SC2785	
Q125	8-729-178-54	TRANSISTOR 2SC2785	
Q126	8-729-900-36	TRANSISTOR DTC124ES	
Q127	8-729-903-02	TRANSISTOR DTA143XS	
Q128	8-729-178-54	TRANSISTOR 2SC2785	
Q129	8-729-900-89	TRANSISTOR DTC144ES	

RESISTOR

Ref.No.	Part No.	Description				Remark
R108	1-215-770-91	METAL	22K	5%	1/6W	
R109	1-215-740-91	METAL	1.2K	5%	1/6W	
R110	1-215-762-91	METAL	10K	5%	1/6W	
R111	1-215-770-91	METAL	22K	5%	1/6W	
R112	1-215-750-91	METAL	3.3K	5%	1/6W	
R113	1-215-760-91	METAL	8.2K	5%	1/6W	
R114	1-215-750-91	METAL	3.3K	5%	1/6W	
R115	1-215-798-91	METAL	330K	5%	1/6W	
R116	1-215-746-91	METAL	2.2K	5%	1/6W	
R117	1-215-756-91	METAL	5.6K	5%	1/6W	
R118	1-215-746-91	METAL	2.2K	5%	1/6W	
R119	1-215-722-91	METAL	220	5%	1/6W	
R120	1-215-762-91	METAL	10K	5%	1/6W	
R121	1-215-702-91	METAL	33	5%	1/6W	
R122	1-215-762-91	METAL	10K	5%	1/6W	
R123	1-215-734-91	METAL	680	5%	1/6W	
R125	1-215-710-91	METAL	68	5%	1/6W	
R126	1-215-758-91	METAL	6.8K	5%	1/6W	
R127	1-215-778-91	METAL	47K	5%	1/6W	
R128	1-215-754-91	METAL	4.7K	5%	1/6W	
R129	1-215-732-91	METAL	560	5%	1/6W	
R130	1-215-752-91	METAL	3.9K	5%	1/6W	
R131	1-215-722-91	METAL	220	5%	1/6W	
R132	1-215-762-91	METAL	10K	5%	1/6W	
R133	1-215-778-91	METAL	47K	5%	1/6W	
R134	1-215-810-91	METAL	1M	5%	1/6W	
R135	1-215-738-91	METAL	1K	5%	1/6W	
R136	1-215-762-91	METAL	10K	5%	1/6W	
R139	1-215-774-91	METAL	33K	5%	1/6W	
R140	1-215-768-91	METAL	18K	5%	1/6W	
R142	1-215-766-91	METAL	15K	5%	1/6W	
R143	1-215-756-91	METAL	5.6K	5%	1/6W	
R145	1-215-756-91	METAL	5.6K	5%	1/6W	
R146	1-215-756-91	METAL	5.6K	5%	1/6W	
R147	1-215-756-91	METAL	5.6K	5%	1/6W	
R148	1-215-730-91	METAL	470	5%	1/6W	
R150	1-215-786-91	METAL	100K	5%	1/6W	
R153	1-215-736-91	METAL	820	5%	1/6W	
R154	1-215-754-91	METAL	4.7K	5%	1/6W	
R155	1-215-738-91	METAL	1K	5%	1/6W	
R156	1-215-752-91	METAL	3.9K	5%	1/6W	
R157	1-215-722-91	METAL	220	5%	1/6W	
R158	1-215-746-91	METAL	2.2K	5%	1/6W	
R159	1-215-746-91	METAL	2.2K	5%	1/6W	
R160	1-215-746-91	METAL	2.2K	5%	1/6W	
R161	1-215-710-91	METAL	68	5%	1/6W	
R163	1-215-802-91	METAL	470K	5%	1/6W	
R164	1-215-754-91	METAL	4.7K	5%	1/6W	
R165	1-215-748-91	METAL	2.7K	5%	1/6W	
R167	1-215-732-91	METAL	560	5%	1/6W	
R168	1-215-736-91	METAL	820	5%	1/6W	
R169	1-215-736-91	METAL	820	5%	1/6W	
R174	1-215-738-91	METAL	1K	5%	1/6W	
R175	1-215-736-91	METAL	820	5%	1/6W	
R177	1-215-770-91	METAL	22K	5%	1/6W	
R180	1-215-770-91	METAL	22K	5%	1/6W	
R182	1-215-778-91	METAL	47K	5%	1/6W	
R183	1-215-762-91	METAL	10K	5%	1/6W	
R184	1-215-690-91	METAL	10	5%	1/6W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description	Remark
RV101	1-230-271-00	RES, ADJ, CARBON 4.7K	

TRANSFORMER

Ref.No.	Part No.	Description	Remark
T101	1-404-707-11	VIFT	
T102	1-404-476-00	COIL, IF	
T103	1-404-476-00	COIL, IF	
T104	1-404-558-11	COIL	
T105	1-404-556-11	COIL	
T106	1-404-558-11	COIL	
T107	1-404-556-11	COIL	
T109	1-404-493-00	COIL	

TUNER

Ref.No.	Part No.	Description	Remark
TU101⚠	1-463-577-11	TUNER, ET (BT-883A)	

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Ref.No.	Part No.	Description	Remark
	*A-1296-225-A	A2 BOARD, COMPLETE ******************	
	*1-560-721-21	PLUG, CONNECTOR 2P	
	*1-564-881-11	PLUG, CONNECTOR 4P	
	*1-564-883-11	PLUG, CONNECTOR 6P	
	*1-564-883-11	PLUG, CONNECTOR 6P	
	*4-367-523-00	CASE (MAIN), SHIELD	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

A2

CAPACITOR

Ref.No.	Part No.	Description			Remark
C080	1-102-824-00	CERAMIC	470PF	5%	50V
C081	1-102-824-00	CERAMIC	470PF	5%	50V
C082	1-123-332-00	ELECT	47MF	20%	16V
C083	1-123-356-00	ELECT	10MF	20%	16V
C084	1-110-171-81	MYLAR	0.047MF	10%	100V
C085	1-110-171-81	MYLAR	0.047MF	10%	100V
C086	1-110-171-81	MYLAR	0.047MF	10%	100V
C1101	1-101-361-00	CERAMIC	150PF	5%	50V
C1102	1-102-816-00	CERAMIC	120PF	5%	50V
C1103	1-102-973-00	CERAMIC	100PF	5%	50V
C1104	1-102-971-00	CERAMIC	82PF	5%	50V
C1105	1-101-888-00	CERAMIC	68PF	5%	50V
C1106	1-123-332-00	ELECT	47MF	20%	16V
C1107	1-102-816-00	CERAMIC	120PF	5%	50V
C1108	1-123-380-00	ELECT	1MF	20%	50V
C1109	1-110-190-81	MYLAR	0.01MF	10%	400V
C1110	1-103-741-00	POLYSTYRENE	0.0047MF	5%	50V
C1111	1-123-356-00	ELECT	10MF	20%	16V
C1112	1-110-179-81	MYLAR	0.22MF	10%	100V
C1113	1-110-179-81	MYLAR	0.22MF	10%	100V
C1114	1-123-356-00	ELECT	10MF	20%	50V
C1115	1-123-380-00	ELECT	1MF	20%	50V
C1116	1-123-318-00	ELECT	33MF	20%	16V
C1117	1-123-380-00	ELECT	1MF	20%	50V
C1118	1-101-004-00	CERAMIC	0.01MF		50V
C1119	1-123-380-00	ELECT	1MF	20%	50V
C1120	1-123-380-00	ELECT	1MF	20%	50V
C1121	1-123-382-00	ELECT	3.3MF	20%	50V
C1123	1-110-186-81	MYLAR	0.0047MF	10%	400V
C1124	1-110-186-81	MYLAR	0.0047MF	10%	400V
C1125	1-123-356-00	ELECT	10MF	20%	50V
C1126	1-123-381-00	ELECT	2.2MF	20%	50V
C1129	1-110-175-81	MYLAR	0.1MF	10%	100V
C1130	1-123-332-00	ELECT	47MF	20%	16V
C1133	1-123-380-00	ELECT	1MF	20%	50V
C1134	1-110-190-81	MYLAR	0.01MF	10%	400V
C1135	1-101-004-00	CERAMIC	0.01MF		50V
C1136	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1137	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C1138	1-101-004-00	CERAMIC	0.01MF		50V
C1139	1-101-004-00	CERAMIC	0.01MF		50V
C1140	1-102-961-00	CERAMIC	27PF	5%	50V
C1141	1-123-380-00	ELECT	1MF	20%	50V
C1142	1-123-330-00	ELECT	22MF	20%	16V
C1143	1-102-816-00	CERAMIC	120PF	5%	50V
C1144	1-130-072-00	FILM	0.022MF	2%	100V
C1145	1-110-186-81	MYLAR	0.0047MF	10%	400V
C1146	1-108-620-91	MYLAR	0.0033MF	10%	100V
C1147	1-108-620-91	MYLAR	0.0033MF	10%	100V
C1148	1-101-004-00	CERAMIC	0.01MF		50V
C1149	1-101-004-00	CERAMIC	0.01MF		50V
C1150	1-123-356-00	ELECT	10MF	20%	16V
C1151	1-123-332-00	ELECT	47MF	20%	16V
C1152	1-101-004-00	CERAMIC	0.01MF		50V
C1153	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C1154	1-108-620-91	MYLAR	0.0033MF	10%	100V
C1155	1-108-620-91	MYLAR	0.0033MF	10%	100V
C1156	1-123-379-00	ELECT	0.47MF	20%	50V
C1157	1-123-356-00	ELECT	10MF	20%	16V
C1158	1-123-332-00	ELECT	47MF	20%	16V
C1159	1-123-332-00	ELECT	47MF	20%	16V
C1160	1-123-307-00	ELECT	100MF	20%	10V
C1161	1-123-318-00	ELECT	33MF	20%	16V
C1162	1-123-380-00	ELECT	1MF	20%	50V
C1163	1-101-880-00	CERAMIC	47PF	5%	50V
C1164	1-123-332-00	ELECT	47MF	20%	16V
C1165	1-123-332-00	ELECT	47MF	20%	16V
C1166	1-123-332-00	ELECT	47MF	20%	16V
C1167	1-101-004-00	CERAMIC	0.01MF		50V
C1168	1-123-332-00	ELECT	47MF	20%	16V
C1169	1-123-332-00	ELECT	47MF	20%	16V
C1170	1-123-356-00	ELECT	10MF	20%	16V
C1171	1-102-125-00	CERAMIC	0.0047MF	10%	50V

FILTER

Ref.No.	Part No.	Description
CD1101	1-404-710-11	DISCRIMINATOR, CERAMIC
CD1102	1-404-684-11	DISCRIMINATOR, CERAMIC
CD1103	1-404-501-00	DISCRIMINATOR, CERAMIC
CF1101	1-404-134-00	TRAP, CERAMIC (5.5MHZ)
CF1102	1-409-332-00	CERAMIC TRAP (4.5MHZ)
CF1103	1-567-101-11	FILTER, CERAMIC
CF1104	1-567-100-00	FILTER, CERAMIC
CF1105	1-527-839-00	FILTER, CERAMIC

DIODE

Ref.No.	Part No.	Description
D080	8-719-109-71	DIODE RD3.9ES-B1
D081	8-719-110-08	DIODE RD8.2ES-B2
D082	8-719-110-08	DIODE RD8.2ES-B2
D083	8-719-110-08	DIODE RD8.2ES-B2
D084	8-719-110-08	DIODE RD8.2ES-B2
D085	8-719-000-12	DIODE MC931
D086	8-719-000-12	DIODE MC931
D1103	8-719-000-06	DIODE MC921
D1106	8-719-903-27	DIODE 1SS168
D1107	8-719-903-27	DIODE 1SS168
D1110	8-719-000-06	DIODE MC921
D1111	8-719-911-19	DIODE 1SS119
D1112	8-719-000-06	DIODE MC921
D1113	8-719-000-04	DIODE MC911
D1114	8-719-911-19	DIODE 1SS119
D1115	8-719-911-19	DIODE 1SS119
D1116	8-719-000-04	DIODE MC911

IC

Ref.No.	Part No.	Description	Remark
IC080	8-759-603-81	IC M50761-581P	
IC1101	8-759-003-90	IC TBA129	
IC1102	8-759-007-54	IC TDA4940	
IC1103	8-759-007-55	IC TDA4944	
IC1104	8-759-907-45	IC TDA2595	
IC1105	8-752-006-10	IC CX20061	

COIL

Ref.No.	Part No.	Description	Remark
L080	1-410-490-21	MICRO INDUCTOR 470UH	
L081	1-410-485-21	MICRO INDUCTOR 180UH	
L1101	1-410-471-11	MICRO INDUCTOR 12UH	
L1102	1-410-478-11	MICRO INDUCTOR 47UH	
L1103	1-410-474-21	MICRO INDUCTOR 22UH	
L1104	1-410-470-11	MICRO INDUCTOR 10UH	
L1105	1-410-472-21	MICRO INDUCTOR 15UH	
L1106	1-410-470-11	MICRO INDUCTOR 10UH	
L1107	1-410-482-31	MICRO INDUCTOR 100UH	
L1108	1-410-471-11	MICRO INDUCTOR 12UH	
L1109	1-410-472-21	MICRO INDUCTOR 15UH	
L1110	1-410-467-21	MICRO INDUCTOR 5.6UH	
L1111	1-410-489-11	MICRO INDUCTOR 390UH	
L1112	1-410-467-21	MICRO INDUCTOR 5.6UH	

TRANSISTOR

Ref.No.	Part No.	Description	Remark
Q080	8-729-117-54	TRANSISTOR 2SA1175	
Q081	8-729-900-63	TRANSISTOR DTA124ES	
Q082	8-729-900-63	TRANSISTOR DTA124ES	
Q083	8-729-900-63	TRANSISTOR DTA124ES	
Q084	8-729-900-63	TRANSISTOR DTA124ES	
Q1102	8-729-178-54	TRANSISTOR 2SC2785	
Q1103	8-729-178-54	TRANSISTOR 2SC2785	
Q1104	8-729-178-54	TRANSISTOR 2SC2785	
Q1105	8-729-178-54	TRANSISTOR 2SC2785	
Q1106	8-729-115-30	TRANSISTOR 2SK105A-30	
Q1109	8-729-178-54	TRANSISTOR 2SC2785	
Q1111	8-729-900-36	TRANSISTOR DTC124ES	
Q1112	8-729-178-54	TRANSISTOR 2SC2785	
Q1113	8-729-178-54	TRANSISTOR 2SC2785	
Q1114	8-729-900-36	TRANSISTOR DTC124ES	
Q1115	8-729-117-54	TRANSISTOR 2SA1175	
Q1116	8-729-117-54	TRANSISTOR 2SA1175	
Q1117	8-729-178-54	TRANSISTOR 2SC2785	
Q1118	8-729-178-54	TRANSISTOR 2SC2785	
Q1119	8-729-178-54	TRANSISTOR 2SC2785	
Q1120	8-729-178-54	TRANSISTOR 2SC2785	
Q1122	8-729-900-36	TRANSISTOR DTC124ES	
Q1123	8-729-900-89	TRANSISTOR DTC144ES	
Q1124	8-729-117-54	TRANSISTOR 2SA1175	
Q1125	8-729-178-54	TRANSISTOR 2SC2785	
Q1126	8-729-900-89	TRANSISTOR DTC144ES	
Q1127	8-729-900-89	TRANSISTOR DTC144ES	
Q1128	8-729-900-89	TRANSISTOR DTC144ES	
Q1129	8-729-178-54	TRANSISTOR 2SC2785	
Q1130	8-729-903-02	TRANSISTOR DTA143XS	
Q1131	8-729-900-36	TRANSISTOR DTC124ES	
Q1134	8-729-178-54	TRANSISTOR 2SC2785	
Q1135	8-729-178-54	TRANSISTOR 2SC2785	
Q1136	8-729-178-54	TRANSISTOR 2SC2785	
Q1137	8-729-178-54	TRANSISTOR 2SC2785	

RESISTOR

Ref.No.	Part No.	Description				Remark
R080	1-215-730-91	METAL	470	5%	1/6W	
R081	1-215-730-91	METAL	470	5%	1/6W	
R082	1-215-730-91	METAL	470	5%	1/6W	
R083	1-215-730-91	METAL	470	5%	1/6W	
R084	1-215-730-91	METAL	470	5%	1/6W	
R085	1-215-730-91	METAL	470	5%	1/6W	
R090	1-215-754-91	METAL	4.7K	5%	1/6W	
R091	1-215-754-91	METAL	4.7K	5%	1/6W	
R092	1-215-754-91	METAL	4.7K	5%	1/6W	
R093	1-215-754-91	METAL	4.7K	5%	1/6W	
R094	1-215-766-91	METAL	15K	5%	1/6W	
R095	1-215-766-91	METAL	15K	5%	1/6W	
R096	1-215-738-91	METAL	1K	5%	1/6W	
R097	1-215-766-91	METAL	15K	5%	1/6W	
R098	1-215-754-91	METAL	4.7K	5%	1/6W	
R1101	1-215-718-91	METAL	150	5%	1/6W	
R1102	1-215-736-91	METAL	820	5%	1/6W	
R1103	1-215-742-91	METAL	1.5K	5%	1/6W	
R1104	1-215-758-91	METAL	6.8K	5%	1/6W	
R1105	1-215-766-91	METAL	15K	5%	1/6W	
R1106	1-215-714-91	METAL	100	5%	1/6W	
R1107	1-215-730-91	METAL	470	5%	1/6W	
R1108	1-215-762-91	METAL	10K	5%	1/6W	
R1109	1-215-730-91	METAL	470	5%	1/6W	
R1110	1-215-738-91	METAL	1K	5%	1/6W	
R1111	1-215-730-91	METAL	470	5%	1/6W	
R1112	1-215-730-91	METAL	470	5%	1/6W	
R1113	1-215-730-91	METAL	470	5%	1/6W	
R1114	1-215-730-91	METAL	470	5%	1/6W	
R1115	1-215-730-91	METAL	470	5%	1/6W	
R1116	1-215-734-91	METAL	680	5%	1/6W	
R1117	1-215-762-91	METAL	10K	5%	1/6W	
R1118	1-215-758-91	METAL	6.8K	5%	1/6W	
R1119	1-215-762-91	METAL	10K	5%	1/6W	
R1120	1-215-762-91	METAL	10K	5%	1/6W	
R1121	1-215-762-91	METAL	10K	5%	1/6W	
R1122	1-215-762-91	METAL	10K	5%	1/6W	
R1123	1-215-738-91	METAL	1K	5%	1/6W	
R1124	1-215-738-91	METAL	1K	5%	1/6W	
R1125	1-215-724-91	METAL	270	5%	1/6W	
R1126	1-215-786-91	METAL	100K	5%	1/6W	
R1127	1-215-762-91	METAL	10K	5%	1/6W	
R1128	1-215-762-91	METAL	10K	5%	1/6W	

A2 **V**

Ref.No.	Part No.	Description				Remark
R1129	1-215-758-91	METAL	6.8K	5%	1/6W	
R1130	1-215-752-91	METAL	3.9K	5%	1/6W	
R1131	1-215-786-91	METAL	100K	5%	1/6W	
R1132	1-215-786-91	METAL	100K	5%	1/6W	
R1133	1-215-778-91	METAL	47K	5%	1/6W	
R1134	1-215-714-91	METAL	100	5%	1/6W	
R1135	1-215-766-91	METAL	15K	5%	1/6W	
R1136	1-215-778-91	METAL	47K	5%	1/6W	
R1137	1-215-780-91	METAL	56K	5%	1/6W	
R1138	1-215-730-91	METAL	470	5%	1/6W	
R1139	1-215-750-91	METAL	3.3K	5%	1/6W	
R1140	1-215-790-91	METAL	150K	5%	1/6W	
R1141	1-215-770-91	METAL	22K	5%	1/6W	
R1142	1-215-756-91	METAL	5.6K	5%	1/6W	
R1144	1-215-756-91	METAL	5.6K	5%	1/6W	
R1145	1-215-726-91	METAL	330	5%	1/6W	
R1146	1-215-726-91	METAL	330	5%	1/6W	
R1147	1-215-770-91	METAL	22K	5%	1/6W	
R1148	1-215-762-91	METAL	10K	5%	1/6W	
R1149	1-215-762-91	METAL	10K	5%	1/6W	
R1150	1-215-770-91	METAL	22K	5%	1/6W	
R1151	1-215-770-91	METAL	22K	5%	1/6W	
R1152	1-215-762-91	METAL	10K	5%	1/6W	
R1153	1-215-770-91	METAL	22K	5%	1/6W	
R1154	1-215-738-91	METAL	1K	5%	1/6W	
R1157	1-215-764-91	METAL	12K	5%	1/6W	
R1158	1-215-764-91	METAL	12K	5%	1/6W	
R1159	1-215-750-91	METAL	3.3K	5%	1/6W	
R1160	1-215-778-91	METAL	47K	5%	1/6W	
R1162	1-215-722-91	METAL	220	5%	1/6W	
R1163	1-215-750-91	METAL	3.3K	5%	1/6W	
R1164	1-215-726-91	METAL	330	5%	1/6W	
R1165	1-215-726-91	METAL	330	5%	1/6W	
R1166	1-215-750-91	METAL	3.3K	5%	1/6W	
R1167	1-215-778-91	METAL	47K	5%	1/6W	
R1169	1-215-722-91	METAL	220	5%	1/6W	
R1172	1-215-736-91	METAL	820	5%	1/6W	
R1173	1-215-736-91	METAL	820	5%	1/6W	
R1176	1-215-762-91	METAL	10K	5%	1/6W	
R1177	1-215-764-91	METAL	12K	5%	1/6W	
R1178	1-215-764-91	METAL	12K	5%	1/6W	
R1179	1-215-786-91	METAL	100K	5%	1/6W	
R1180	1-215-754-91	METAL	4.7K	5%	1/6W	
R1181	1-215-738-91	METAL	1K	5%	1/6W	
R1182	1-215-786-91	METAL	100K	5%	1/6W	
R1183	1-215-736-91	METAL	820	5%	1/6W	
R1186	1-215-786-91	METAL	100K	5%	1/6W	
R1187	1-215-766-91	METAL	15K	5%	1/6W	
R1188	1-215-736-91	METAL	820	5%	1/6W	
R1189	1-215-752-91	METAL	3.9K	5%	1/6W	
R1190	1-215-786-91	METAL	100K	5%	1/6W	
R1191	1-215-726-91	METAL	330	5%	1/6W	
R1192	1-215-728-91	METAL	390	5%	1/6W	
R1193	1-215-776-91	METAL	39K	5%	1/6W	
R1194	1-215-784-91	METAL	82K	5%	1/6W	
R1195	1-215-714-91	METAL	100	5%	1/6W	
R1196	1-215-726-91	METAL	330	5%	1/6W	
R1200	1-215-764-91	METAL	12K	5%	1/6W	

VARIABLE RESISTOR

RV1101	1-230-524-11	RES, ADJ, METAL GLAZE 22K
RV1102	1-230-631-11	RES, ADJ, CARBON 22K

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*A-1325-024-A V BOARD, COMPLETE
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CAPACITOR

C001	1-123-333-00	ELECT	100MF	20%	16V
C002	1-123-308-00	ELECT	220MF	20%	6.3V
C003	1-123-309-00	ELECT	330MF	20%	10V
C004	1-123-332-00	ELECT	47MF	20%	16V
C005	1-123-333-00	ELECT	100MF	20%	16V
C006	1-123-321-00	ELECT	220MF	20%	16V
C007	1-123-356-00	ELECT	10MF	20%	16V
C008	1-102-951-00	CERAMIC	15PF	5%	50V
C009	1-102-074-00	CERAMIC	0.001MF	10%	50V
C010	1-102-824-00	CERAMIC	470PF	5%	50V
C011	1-110-182-81	MYLAR	0.022MF	10%	250V
C012	1-102-980-00	CERAMIC	270PF	5%	50V
C013	1-102-973-00	CERAMIC	100PF	5%	50V
C014	1-102-951-00	CERAMIC	15PF	5%	50V
C015	1-102-961-00	CERAMIC	27PF	5%	50V
C016	1-110-190-81	MYLAR	0.01MF	10%	400V
C017	1-110-171-81	MYLAR	0.047MF	10%	100V
C018	1-102-953-00	CERAMIC	18PF	5%	50V
C019	1-110-171-81	MYLAR	0.047MF	10%	100V
C020	1-102-978-00	CERAMIC	220PF	5%	50V
C021	1-110-173-81	MYLAR	0.068MF	10%	100V
C022	1-102-961-00	CERAMIC	27PF	5%	50V
C023	1-102-961-00	CERAMIC	27PF	5%	50V
C024	1-123-307-00	ELECT	100MF	20%	10V
C025	1-123-306-00	ELECT	47MF	20%	10V
C027	1-102-820-00	CERAMIC	330PF	5%	50V
C028	1-102-116-00	CERAMIC	680PF	10%	50V
C029	1-123-369-00	ELECT	4.7MF	20%	25V
C051	1-110-175-81	MYLAR	0.1MF	10%	100V
C052	1-110-175-81	MYLAR	0.1MF	10%	100V
C053	1-110-175-81	MYLAR	0.1MF	10%	100V
C054	1-110-175-81	MYLAR	0.1MF	10%	100V
C055	1-110-175-81	MYLAR	0.1MF	10%	100V
C056	1-110-175-81	MYLAR	0.1MF	10%	100V

TRIMMER

CT001	1-141-181-11	CAP, TRIMMER

DIODE

Ref.No.	Part No.	Description	Remark
D001	8-719-100-35	DIODE RD5.6E-B2	
D002	8-719-100-68	DIODE RD13E-B2	
D003	8-719-911-19	DIODE 1SS119	
D004	8-719-100-19	DIODE RD3.6E-B2	
D008	8-719-102-78	DIODE RD6.8E-N2	
D009	8-719-102-71	DIODE RD5.6E-N2	

IC

Ref.No.	Part No.	Description	Remark
IC001	8-759-938-33	IC MAB8441P-T077	
IC002	8-759-918-54	IC SAA5230	
IC003	8-759-918-56	IC SAA5240A	
IC004	8-759-206-27	IC TC5564PL-15	

COIL

Ref.No.	Part No.	Description	Remark
L001	1-408-411-00	MICRO INDUCTOR 15UH	
L002	1-410-328-11	MICRO INDUCTOR 10UH	

TRANSISTOR

Ref.No.	Part No.	Description	Remark
Q001	8-729-109-53	TRANSISTOR 2SD795A	
Q002	8-729-805-13	TRANSISTOR 2SC1475-13	
Q003	8-729-178-54	TRANSISTOR 2SC2785	
Q004	8-729-178-54	TRANSISTOR 2SC2785	
Q005	8-729-805-13	TRANSISTOR 2SC1475-13	
Q006	8-729-178-54	TRANSISTOR 2SC2785	
Q007	8-729-178-54	TRANSISTOR 2SC2785	
Q009	8-729-117-54	TRANSISTOR 2SA1175	
Q010	8-729-117-54	TRANSISTOR 2SA1175	
Q011	8-729-117-54	TRANSISTOR 2SA1175	

RESISTOR

Ref.No.	Part No.	Description				Remark
R001	1-247-745-11	CARBON	330	5%	1/2W	
R002	1-215-762-91	METAL	10K	5%	1/6W	
R003	1-215-778-91	METAL	47K	5%	1/6W	
R004	1-215-867-00	METAL OXIDE	470	5%	1W	F
R005	1-215-714-91	METAL	100	5%	1/6W	
R006	1-215-738-91	METAL	1K	5%	1/6W	
R007	1-215-714-91	METAL	100	5%	1/6W	
R008	1-215-726-91	METAL	330	5%	1/6W	
R009	1-215-780-91	METAL	56K	5%	1/6W	
R011	1-215-754-91	METAL	4.7K	5%	1/6W	
R012	1-215-754-91	METAL	4.7K	5%	1/6W	
R013	1-215-714-91	METAL	100	5%	1/6W	
R014	1-215-714-91	METAL	100	5%	1/6W	
R015	1-215-810-91	METAL	1M	5%	1/6W	
R016	1-215-744-91	METAL	1.8K	5%	1/6W	
R017	1-215-738-91	METAL	1K	5%	1/6W	
R018	1-215-754-91	METAL	4.7K	5%	1/6W	
R019	1-215-730-91	METAL	470	5%	1/6W	
R020	1-215-756-91	METAL	5.6K	5%	1/6W	
R021	1-215-746-91	METAL	2.2K	5%	1/6W	
R022	1-215-746-91	METAL	2.2K	5%	1/6W	
R023	1-215-738-91	METAL	1K	5%	1/6W	
R024	1-215-746-91	METAL	2.2K	5%	1/6W	
R025	1-215-754-91	METAL	4.7K	5%	1/6W	
R026	1-215-762-91	METAL	10K	5%	1/6W	
R027	1-215-702-91	METAL	33	5%	1/6W	
R028	1-215-702-91	METAL	33	5%	1/6W	
R029	1-215-702-91	METAL	33	5%	1/6W	
R030	1-215-130-00	METAL	120	5%	1/4W	
R031	1-215-130-00	METAL	120	5%	1/4W	
R032	1-215-130-00	METAL	120	5%	1/4W	
R033	1-215-712-91	METAL	82	5%	1/6W	
R034	1-215-738-91	METAL	1K	5%	1/6W	
R037	1-215-714-91	METAL	100	5%	1/6W	
R038	1-215-736-91	METAL	820	5%	1/6W	
R040	1-215-754-91	METAL	4.7K	5%	1/6W	
R041	1-215-730-91	METAL	470	5%	1/6W	
R043	1-215-746-91	METAL	2.2K	5%	1/6W	
R044	1-215-730-91	METAL	470	5%	1/6W	
R045	1-215-738-91	METAL	1K	5%	1/6W	
R046	1-215-690-91	METAL	10	5%	1/6W	

VARIABLE RESISTOR

Ref.No.	Part No.	Description	Remark
RV001	1-230-628-11	RES, ADJ, CARBON 2.2K	

CONNECTOR

Ref.No.	Part No.	Description	Remark
V1	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
V2	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
V3	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
V4	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)	
V5	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	

CRYSTAL

Ref.No.	Part No.	Description	Remark
X001	1-567-162-00	OSCILLATOR, CRYSTAL	
X002	1-567-495-11	OSCILLATOR, CRYSTAL	
X003	1-567-192-11	OSCILLATOR, CERAMIC	

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*A-1330-706-A C BOARD, COMPLETE
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CONNECTOR

Ref.No.	Part No.	Description	Remark
C1	*1-506-349-21	3P PLUG (L)	
C2	*1-564-880-31	PLUG, CONNECTOR 3P	
C3	*1-508-766-00	4P PLUG (M)	
C4	*1-564-884-11	PLUG, CONNECTOR 7P	
C5	*1-564-879-21	PLUG, CONNECTOR 2P	
C6	*1-508-784-00	1P PLUG	

CAPACITOR

Ref.No.	Part No.	Description				Remark
C701	1-123-947-00	ELECT	10MF	20%	250V	
C702	1-123-356-00	ELECT	10MF	20%	16V	
C703	1-123-356-00	ELECT	10MF	20%	16V	
C704	1-129-714-00	FILM	0.01MF	10%	630V	

Ref.No.	Part No.	Description			Remark
C705	1-162-116-00	CERAMIC	680PF	10%	2KV
C708	1-102-116-00	CERAMIC	680PF	10%	50V
C709	1-102-116-00	CERAMIC	680PF	10%	50V
C710	1-102-116-00	CERAMIC	680PF	10%	50V
C713	1-102-953-00	CERAMIC	18PF	5%	50V
C714	1-102-947-00	CERAMIC	10PF	5%	50V
C715	1-102-947-00	CERAMIC	10PF	5%	50V
C716	1-123-382-00	ELECT	3.3MF	20%	50V
C717	1-123-356-00	ELECT	10MF	20%	16V
C718	1-101-006-00	CERAMIC	0.047MF		50V
C719	1-102-963-00	CERAMIC	33PF	5%	50V
C720	1-102-963-00	CERAMIC	33PF	5%	50V
C721	1-102-963-00	CERAMIC	33PF	5%	50V
C722	1-110-175-81	MYLAR	0.1MF	10%	100V
C751	1-101-361-00	CERAMIC	150PF	5%	50V
C752	1-108-617-91	MYLAR	0.0018MF	10%	100V
C753	1-110-190-81	MYLAR	0.01MF	10%	400V
C754	1-102-980-00	CERAMIC	270PF	5%	50V
C757	1-110-175-81	MYLAR	0.1MF	10%	100V
C759	1-123-356-00	ELECT	10MF	20%	50V
C760	1-123-382-00	ELECT	33MF	20%	50V
C761	1-101-006-00	CERAMIC	0.047MF		50V
C762	1-110-190-81	MYLAR	0.01MF	10%	400V

DIODE

D701	8-719-911-19	DIODE 1SS119
D702	8-719-911-19	DIODE 1SS119
D703	8-719-911-19	DIODE 1SS119
D704	8-719-911-19	DIODE 1SS119
D705	8-719-911-19	DIODE 1SS119
D706	8-719-911-19	DIODE 1SS119
D708	8-719-911-19	DIODE 1SS119
D709	8-719-911-19	DIODE 1SS119
D710	8-719-911-19	DIODE 1SS119

JACK

J701	1-526-644-41	SOCKET, CRT

COIL

L701	1-410-481-21	MICRO INDUCTOR 82UH
L702	1-410-361-11	MICRO INDUCTOR 12UH
L703	1-410-511-11	MICRO INDUCTOR 15UH
L704	1-410-511-11	MICRO INDUCTOR 15UH
L751	1-410-470-11	MICRO INDUCTOR 10UH

TRANSISTOR

Q701	8-729-805-11	TRANSISTOR 2SC3504-E-AE
Q702	8-729-805-11	TRANSISTOR 2SC3504-E-AE
Q703	8-729-805-11	TRANSISTOR 2SC3504-E-AE
Q704	8-729-326-11	TRANSISTOR 2SC2611
Q705	8-729-326-11	TRANSISTOR 2SC2611
Q706	8-729-326-11	TRANSISTOR 2SC2611
Q707	8-729-200-17	TRANSISTOR 2SA1091

Ref.No.	Part No.	Description				Remark
Q708	8-729-200-17	TRANSISTOR 2SA1091				
Q709	8-729-200-17	TRANSISTOR 2SA1091				
Q710	8-729-255-12	TRANSISTOR 2SC2551				
Q711	8-729-255-12	TRANSISTOR 2SC2551				
Q712	8-729-255-12	TRANSISTOR 2SC2551				
Q713	8-729-117-54	TRANSISTOR 2SA1175				
Q714	8-729-900-36	TRANSISTOR DTC124ES				
Q715	8-729-178-54	TRANSISTOR 2SC2785				
Q751	8-729-378-91	TRANSISTOR 2SD789				
Q752	8-729-178-54	TRANSISTOR 2SC2785				
Q753	8-729-103-43	TRANSISTOR 2SB734				
Q754	8-729-378-91	TRANSISTOR 2SD789				

RESISTOR

Ref.No.	Part No.	Description				Remark
R701	1-215-750-91	METAL	3.3K	5%	1/6W	
R702	1-215-162-00	METAL	2.7K	5%	1/4W	
R703	1-215-162-00	METAL	2.7K	5%	1/4W	
R704	1-214-913-00	METAL	100K	1%	1/2W	
R705	1-214-913-00	METAL	100K	1%	1/2W	
R706	1-214-913-00	METAL	100K	1%	1/2W	
R707	1-215-738-91	METAL	1K	5%	1/6W	
R708	1-215-738-91	METAL	1K	5%	1/6W	
R709	1-215-738-91	METAL	1K	5%	1/6W	
R710	1-215-774-91	METAL	33K	5%	1/6W	
R711	1-215-774-91	METAL	33K	5%	1/6W	
R712	1-215-774-91	METAL	33K	5%	1/6W	
R713	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R714	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R715	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R716	1-247-710-11	CARBON	560	5%	1/4W	F
R717	1-247-710-11	CARBON	560	5%	1/4W	F
R718	1-247-710-11	CARBON	560	5%	1/4W	F
R719	1-202-821-11	SOLID	1.8K	10%	1/2W	
R720	1-202-821-11	SOLID	1.8K	10%	1/2W	
R721	1-202-821-11	SOLID	1.8K	10%	1/2W	
R722	1-215-734-91	METAL	680	5%	1/6W	
R723	1-215-762-91	METAL	10K	5%	1/6W	
R724	1-215-744-91	METAL	1.8K	5%	1/6W	
R726	1-207-458-00	WIREWOUND	0.39	10%	1/2W	
R728	1-202-838-00	SOLID	100K	10%	1/2W	
R729	1-202-842-91	SOLID	220K	10%	1/2W	
R733	1-214-771-00	METAL	56K	1%	1/4W	
R734	1-214-787-00	METAL	270K	1%	1/4W	
R735	1-214-787-00	METAL	270K	1%	1/4W	
R736	1-202-844-00	SOLID	330K	10%	1/2W	
R737	1-215-744-91	METAL	1.8K	5%	1/6W	
R738	1-215-744-91	METAL	1.8K	5%	1/6W	
R739	1-215-744-91	METAL	1.8K	5%	1/6W	
R740	1-215-706-91	METAL	47	5%	1/6W	
R741	1-215-750-91	METAL	3.3K	5%	1/6W	
R742	1-215-750-91	METAL	3.3K	5%	1/6W	
R743	1-215-750-91	METAL	3.3K	5%	1/6W	
R744	1-215-738-91	METAL	1K	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R745	1-215-722-91	METAL	220	5%	1/6W	
R746	1-215-746-91	METAL	2.2K	5%	1/6W	
R750	1-249-405-11	CARBON	100	5%	1/6W	F
R751	1-215-740-91	METAL	1.2K	5%	1/6W	
R752	1-215-756-91	METAL	5.6K	5%	1/6W	
R753	1-215-732-91	METAL	560	5%	1/6W	
R754	1-215-772-91	METAL	27K	5%	1/6W	
R755	1-215-714-91	METAL	100	5%	1/6W	
R756	1-215-742-91	METAL	1.5K	5%	1/6W	
R757	1-215-714-91	METAL	100	5%	1/6W	
R758	1-215-712-91	METAL	82	5%	1/6W	
R760	1-215-726-91	METAL	330	5%	1/6W	
R761	1-215-762-91	METAL	10K	5%	1/6W	
R762	1-215-802-91	METAL	470K	5%	1/6W	
R763	1-215-762-91	METAL	10K	5%	1/6W	
R764	1-249-455-11	CARBON	4.7	5%	1/4W	F
R765	1-249-455-11	CARBON	4.7	5%	1/4W	F
R766	1-215-740-91	METAL	1.2K	5%	1/6W	
R767	1-215-744-91	METAL	1.8K	5%	1/6W	
R768	1-216-449-11	METAL OXIDE	56	5%	2W	F
R769	1-217-403-00	FUSIBLE	220	5%	1/4W	F
R770	1-215-762-91	METAL	10K	5%	1/6W	
		VARIABLE RESISTOR				
RV701	1-230-105-00	RES, ADJ, CARBON 3.3K				
RV702	1-230-105-00	RES, ADJ, CARBON 3.3K				
RV703	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M				
		SPARK GAP				
SG701	1-519-063-XX	DISCHARGING GAP				
SG702	1-519-063-XX	DISCHARGING GAP				
SG703	1-519-063-XX	DISCHARGING GAP				
**						
	*A-1340-808-A	D1 BOARD, COMPLETE ******************				
		CAPACITOR				
C1501	1-110-182-81	MYLAR	0.022MF	10%	250V	
C1503	1-110-190-81	MYLAR	0.01MF	10%	400V	
C1504	1-123-380-00	ELECT	1MF	20%	50V	
C1505	1-110-187-81	MYLAR	0.0056MF	10%	400V	
C1506	1-123-382-00	ELECT	3.3MF	20%	50V	
C1507	1-123-357-00	ELECT	22MF	20%	50V	
C1508	1-123-379-00	ELECT	0.47MF	20%	50V	
C1509	1-123-360-00	ELECT	100MF	20%	50V	
C1510	1-123-379-00	ELECT	0.47MF	20%	50V	
C1511	1-123-380-00	ELECT	1MF	20%	50V	
C1512	1-110-190-81	MYLAR	0.01MF	10%	400V	
C1513	1-123-332-00	ELECT	47MF	20%	16V	
C1514	1-123-330-00	ELECT	22MF	20%	16V	
C1515	1-123-330-00	ELECT	22MF	20%	16V	
C1516	1-123-360-00	ELECT	100MF	20%	50V	
C1517	1-123-382-00	ELECT	3.3MF	20%	50V	
C1518	1-110-188-81	MYLAR	0.0068MF	10%	400V	
C1519	1-110-184-81	MYLAR	0.033MF	10%	250V	
C1520	1-123-333-00	ELECT	100MF	20%	16V	
C1521	1-110-174-81	MYLAR	0.082MF	10%	100V	
C1522	1-110-182-81	MYLAR	0.022MF	10%	250V	
C1523	1-123-356-00	ELECT	10MF	20%	16V	
C1524	1-110-187-81	MYLAR	0.0056MF	10%	400V	
C1525	1-129-701-00	FILM	0.01MF	5%	100V	
C1526	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C1527	1-110-175-81	MYLAR	0.1MF	10%	100V	
		CONNECTOR				
CNJ1	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P				
		DIODE				
D1501	8-719-911-19	DIODE 1SS119				
D1502	8-719-911-19	DIODE 1SS119				
		IC				
IC1501	8-759-905-39	IC TDA1082				
		COIL				
L1501	1-408-245-00	MICRO INDUCTOR 22MMH				
L1502	1-407-509-00	MICRO INDUCTOR 27MMH				
L1503	1-408-242-00	MICRO INDUCTOR 10MMH				
L1504	1-408-247-00	MICRO INDUCTOR 33MMH				
		TRANSISTOR				
Q1501	8-729-178-54	TRANSISTOR 2SC2785				
Q1502	8-729-178-54	TRANSISTOR 2SC2785				
Q1503	8-729-374-02	TRANSISTOR 2SB740				
Q1504	8-729-195-82	TRANSISTOR 2SC2958				
		RESISTOR				
R1501	1-215-712-91	METAL	82	5%	1/6W	
R1502	1-215-166-00	METAL	3.9K	5%	1/4W	
R1503	1-215-734-91	METAL	680	5%	1/6W	
R1504	1-215-768-91	METAL	18K	5%	1/6W	
R1505	1-215-750-91	METAL	3.3K	5%	1/6W	
R1506	1-215-768-91	METAL	18K	5%	1/6W	
R1508	1-215-768-91	METAL	18K	5%	1/6W	
R1509	1-215-132-00	METAL	150	5%	1/4W	
R1510	1-215-738-91	METAL	1K	5%	1/6W	
R1511	1-215-214-81	METAL	390K	5%	1/4W	
R1512	1-215-798-91	METAL	330K	5%	1/6W	
R1513	1-215-736-91	METAL	820	5%	1/6W	
R1514	1-215-722-91	METAL	220	5%	1/6W	
R1515	1-215-214-81	METAL	390K	5%	1/4W	
R1516	1-215-762-91	METAL	10K	5%	1/6W	
R1517	1-215-164-00	METAL	3.3K	5%	1/4W	
R1518	1-215-192-00	METAL	47K	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R1519	1-215-742-91	METAL	1.5K	5%	1/6W	
R1520	1-215-746-91	METAL	2.2K	5%	1/6W	
R1521	1-215-774-91	METAL	33K	5%	1/6W	
R1522	1-215-774-91	METAL	33K	5%	1/6W	
R1523	1-215-760-91	METAL	8.2K	5%	1/6W	
R1524	1-215-718-91	METAL	150	5%	1/6W	
R1525	1-215-762-91	METAL	10K	5%	1/6W	
R1526	1-215-176-00	METAL	10K	5%	1/4W	
R1527	1-215-694-91	METAL	15	5%	1/6W	
R1528	1-215-732-91	METAL	560	5%	1/6W	
R1529	1-215-772-91	METAL	27K	5%	1/6W	
R1530	1-216-451-11	METAL OXIDE	120	5%	2W	F
R1531	1-215-865-11	METAL OXIDE	220	5%	1W	F
R1532	1-215-716-91	METAL	120	5%	1/6W	
R1533	1-247-242-00	CARBON	1.2K	5%	1/2W	
R1534	1-215-710-91	METAL	68	5%	1/6W	
R1535	1-216-423-11	METAL OXIDE	27	5%	1W	F
R1536	1-215-776-91	METAL	39K	5%	1/6W	

VARIABLE RESISTOR

RV1501	1-230-625-11	RES, ADJ, CARBON 330
RV1502	1-230-634-51	RES, ADJ, CARBON 100K
RV1503	1-230-634-51	RES, ADJ, CARBON 100K
RV1504	1-226-771-00	RES, ADJ, METAL GLAZE 1K
RV1505	1-230-271-00	RES, ADJ, CARBON 4.7K
RV1506	1-230-634-51	RES, ADJ, CARBON 100K
RV1507	1-230-630-11	RES, ADJ, CARBON 10K
RV1508	1-230-627-11	RES, ADJ, CARBON 1K
RV1509	1-230-271-00	RES, ADJ, CARBON 4.7K
RV1510	1-230-271-00	RES, ADJ, CARBON 4.7K
RV1511	1-230-625-11	RES, ADJ, CARBON 330

THERMISTOR

TH1501	1-806-110-00	THERMISTOR
TH1502	1-800-625-00	THERMISTOR

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*1-618-128-11 D3 BOARD
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CAPACITOR

C1301	1-136-171-00	FILM	0.33MF	5%	50V
C1302	1-136-171-00	FILM	0.33MF	5%	50V
C1303	1-102-529-00	CERAMIC	100PF	5%	50V
C1304	1-102-529-00	CERAMIC	100PF	5%	50V
C1305	1-104-108-11	POLYSTYRENE	330PF	10%	50V
C1306	1-102-824-00	CERAMIC	470PF	5%	50V
C1307	1-102-824-00	CERAMIC	470PF	5%	50V
C1308	1-123-321-00	ELECT	220MF	20%	16V
C1309	1-123-380-00	ELECT	1MF	20%	50V
C1310	1-123-318-00	ELECT	33MF	20%	16V
C1311	1-123-318-00	ELECT	33MF	20%	16V

Ref.No.	Part No.	Description	Remark

CONNECTOR

CNJ3	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P

DIODE

D1301	8-719-000-12	DIODE MC931
D1302	8-719-000-12	DIODE MC931
D1303	8-719-000-12	DIODE MC931
D1304	8-719-911-19	DIODE 1SS119
D1305	8-719-911-19	DIODE 1SS119

IC

IC1301	8-759-913-37	IC TDA4560

COIL

L1301	1-410-484-21	MICRO INDUCTOR 150UH

TRANSISTOR

Q1301	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

R1301	1-215-714-91	METAL	100	5%	1/6W
R1302	1-215-714-91	METAL	100	5%	1/6W
R1303	1-215-423-00	METAL	1.2K	1%	1/6W
R1304	1-215-762-91	METAL	10K	5%	1/6W
R1305	1-215-766-91	METAL	15K	5%	1/6W
R1306	1-215-190-00	METAL	39K	5%	1/4W
R1307	1-215-776-91	METAL	39K	5%	1/6W

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*A-1345-679-A D2 BOARD, COMPLETE
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*1-562-370-21 CONNECTOR, BOARD TO BOARD 18P

FILTER

BPF301	1-235-835-11	FILTER, BAND PASS

CAPACITOR

C301	1-102-980-00	CERAMIC	270PF	5%	50V
C302	1-102-980-00	CERAMIC	270PF	5%	50V
C303	1-102-525-00	CERAMIC	68PF	5%	50V
C304	1-102-735-00	CERAMIC	120PF	5%	50V
C305	1-102-514-00	CERAMIC	22PF	5%	50V
C306	1-102-514-00	CERAMIC	22PF	5%	50V
C307	1-102-735-00	CERAMIC	120PF	5%	50V
C308	1-102-525-00	CERAMIC	68PF	5%	50V
C309	1-101-004-00	CERAMIC	0.01MF		50V
C310	1-110-190-81	MYLAR	0.01MF	10%	400V
C311	1-110-182-81	MYLAR	0.022MF	10%	250V
C312	1-110-089-11	MYLAR	0.1MF	10%	100V
C313	1-123-322-00	ELECT	330MF	20%	16V

Ref.No.	Part No.	Description			Remark
C314	1-123-380-00	ELECT	1MF	20%	50V
C315	1-123-380-00	ELECT	1MF	20%	50V
C316	1-110-171-81	MYLAR	0.047MF	10%	100V
C317	1-136-173-00	FILM	0.47MF	5%	50V
C318	1-101-006-00	CERAMIC	0.047MF		50V
C319	1-110-182-81	MYLAR	0.022MF	10%	250V
C320	1-110-182-81	MYLAR	0.022MF	10%	250V
C321	1-102-074-00	CERAMIC	0.001MF	10%	50V
C322	1-102-679-00	CERAMIC	120PF	5%	50V
C323	1-102-074-00	CERAMIC	0.001MF	10%	50V
C324	1-101-004-00	CERAMIC	0.01MF		50V
C325	1-101-004-00	CERAMIC	0.01MF		50V
C327	1-102-662-00	CERAMIC	7PF	0.5PF	50V
C328	1-102-662-00	CERAMIC	7PF	0.5PF	50V
C329	1-102-662-00	CERAMIC	7PF	0.5PF	50V
C330	1-102-662-00	CERAMIC	7PF	0.5PF	50V
C331	1-123-318-00	ELECT	33MF	20%	16V
C332	1-123-321-00	ELECT	220MF	20%	16V
C334	1-101-361-00	CERAMIC	150PF	5%	50V
C339	1-102-851-00	CERAMIC	15PF	5%	50V
C340	1-102-531-00	CERAMIC	150PF	5%	50V
C341	1-102-973-00	CERAMIC	100PF	5%	50V
C342	1-102-973-00	CERAMIC	100PF	5%	50V
C343	1-102-531-00	CERAMIC	150PF	5%	50V
C344	1-123-318-00	ELECT	33MF	20%	16V
C345	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C346	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C347	1-102-125-00	CERAMIC	0.0047MF	10%	50V

TRIMMER

Ref.No.	Part No.	Description
CT301	1-141-181-11	CAP, TRIMMER
CT302	1-141-181-11	CAP, TRIMMER

DIODE

Ref.No.	Part No.	Description
D301	8-719-911-19	DIODE 1SS119
D302	8-719-911-19	DIODE 1SS119
D303	8-719-911-19	DIODE 1SS119
D304	8-719-911-19	DIODE 1SS119
D305	8-719-911-19	DIODE 1SS119
D306	8-719-000-12	DIODE MC931

DELAY LINE

Ref.No.	Part No.	Description
DL301	1-415-187-12	DELAY LINE

IC

Ref.No.	Part No.	Description
IC301	8-759-915-57	IC TDA4555

COIL

Ref.No.	Part No.	Description
L301	1-404-554-11	COIL
L302	1-404-554-11	COIL
L303	1-404-554-11	COIL
L304	1-410-469-21	MICRO INDUCTOR 8.2UH
L305	1-404-554-11	COIL
L306	1-410-490-21	MICRO INDUCTOR 470UH
L307	1-404-495-00	COIL
L308	1-410-476-11	MICRO INDUCTOR 33UH
L309	1-404-495-00	COIL
L310	1-410-484-21	MICRO INDUCTOR 150UH
L312	1-410-484-21	MICRO INDUCTOR 150UH
L313	1-410-478-11	MICRO INDUCTOR 47UH

TRANSISTOR

Ref.No.	Part No.	Description
Q301	8-729-178-54	TRANSISTOR 2SC2785
Q302	8-729-178-54	TRANSISTOR 2SC2785
Q303	8-729-900-36	TRANSISTOR DTC124ES
Q304	8-729-178-54	TRANSISTOR 2SC2785
Q305	8-729-178-54	TRANSISTOR 2SC2785
Q306	8-729-900-36	TRANSISTOR DTC124ES
Q307	8-729-900-36	TRANSISTOR DTC124ES
Q308	8-729-900-36	TRANSISTOR DTC124ES
Q309	8-729-178-54	TRANSISTOR 2SC2785
Q312	8-729-178-54	TRANSISTOR 2SC2785
Q313	8-729-178-54	TRANSISTOR 2SC2785
Q315	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

Ref.No.	Part No.	Description			Remark
R301	1-215-740-91	METAL	1.2K	5%	1/6W
R302	1-215-734-91	METAL	680	5%	1/6W
R303	1-215-728-91	METAL	390	5%	1/6W
R304	1-215-728-91	METAL	390	5%	1/6W
R305	1-215-154-00	METAL	1.2K	5%	1/4W
R306	1-215-762-91	METAL	10K	5%	1/6W
R307	1-214-746-00	METAL	5.1K	1%	1/4W
R311	1-215-782-91	METAL	68K	5%	1/6W
R312	1-215-146-00	METAL	560	5%	1/4W
R313	1-215-770-91	METAL	22K	5%	1/6W
R315	1-215-778-91	METAL	47K	5%	1/6W
R317	1-215-786-91	METAL	100K	5%	1/6W
R318	1-215-742-91	METAL	1.5K	5%	1/6W
R319	1-215-724-91	METAL	270	5%	1/6W
R320	1-215-738-91	METAL	1K	5%	1/6W
R321	1-215-738-91	METAL	1K	5%	1/6W
R322	1-215-724-91	METAL	270	5%	1/6W
R323	1-215-742-91	METAL	1.5K	5%	1/6W
R324	1-215-714-91	METAL	100	5%	1/6W
R325	1-215-774-91	METAL	33K	5%	1/6W
R326	1-215-736-91	METAL	820	5%	1/6W
R327	1-215-776-91	METAL	39K	5%	1/6W
R328	1-215-744-91	METAL	1.8K	5%	1/6W
R329	1-215-776-91	METAL	39K	5%	1/6W
R330	1-215-774-91	METAL	33K	5%	1/6W
R331	1-215-736-91	METAL	820	5%	1/6W
R332	1-215-736-91	METAL	820	5%	1/6W
R333	1-215-774-91	METAL	33K	5%	1/6W
R334	1-215-190-00	METAL	39K	5%	1/4W

Ref.No.	Part No.	Description				Remark
R335	1-215-190-00	METAL	39K	5%	1/4W	
R337	1-215-762-91	METAL	10K	5%	1/6W	
R338	1-215-762-91	METAL	10K	5%	1/6W	
R348	1-215-186-00	METAL	27K	5%	1/4W	
R349	1-215-714-91	METAL	100	5%	1/6W	
R352	1-215-190-00	METAL	39K	5%	1/4W	
R356	1-215-794-91	METAL	220K	5%	1/6W	
R357	1-215-794-91	METAL	220K	5%	1/6W	
R358	1-215-770-91	METAL	22K	5%	1/6W	
R359	1-215-762-91	METAL	10K	5%	1/6W	
R360	1-215-778-91	METAL	47K	5%	1/6W	
R361	1-215-734-91	METAL	680	5%	1/6W	
R362	1-215-734-91	METAL	680	5%	1/6W	
R363	1-215-706-91	METAL	47	5%	1/6W	
R369	1-215-738-91	METAL	1K	5%	1/6W	

VARIABLE RESISTOR

RV301	1-230-624-51	RES, ADJ, CARBON 220

TRANSFORMER

T301	1-404-584-11	COIL

THERMISTOR

TH301	1-800-644-00	THERMISTER

CRYSTAL

X301	1-567-131-00	OSCILLATOR, CRYSTAL
X302	1-567-307-11	OSCILLATOR, CRYSTAL

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*A-1345-680-A D BOARD, COMPLETE
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CAPACITOR

Ref.No.	Part No.	Description				Remark
C001	1-123-380-00	ELECT	1MF	20%	50V	
C002	1-123-369-00	ELECT	4.7MF	20%	50V	
C003	1-123-369-00	ELECT	4.7MF	20%	50V	
C004	1-102-973-00	CERAMIC	100PF	5%	50V	
C005	1-110-175-81	MYLAR	0.1MF	10%	100V	
C006	1-123-307-00	ELECT	100MF	20%	6.3V	
C007	1-102-116-00	CERAMIC	680PF	10%	50V	
C009	1-102-824-00	CERAMIC	470PF	5%	50V	
C010	1-102-508-00	CERAMIC	10PF	0.5PF	50V	
C011	1-102-516-00	CERAMIC	27PF	5%	50V	
C012	1-123-607-00	ELECT	0.1MF	20%	50V	
C013	1-102-973-00	CERAMIC	100PF	5%	50V	
C014	1-110-190-81	MYLAR	0.01MF	10%	400V	
C015	1-123-307-00	ELECT	100MF	20%	6.3V	
C016	1-102-129-00	CERAMIC	0.01MF	10%	50V	
C018	1-123-356-00	ELECT	10MF	20%	50V	
C019	1-123-356-00	ELECT	10MF	20%	50V	
C020	1-123-307-00	ELECT	100MF	20%	6.3V	
C022	1-110-190-81	MYLAR	0.01MF	10%	400V	
C026	1-110-182-81	MYLAR	0.022MF	10%	250V	
C027	1-102-973-00	CERAMIC	100PF	5%	50V	
C028	1-102-973-00	CERAMIC	100PF	5%	50V	
C031	1-102-114-00	CERAMIC	470PF	10%	50V	
C032	1-102-129-00	CERAMIC	0.01MF	10%	50V	
C033	1-123-306-00	ELECT	47MF	20%	6.3V	
C034	1-123-306-00	ELECT	47MF	20%	6.3V	
C035	1-123-380-00	ELECT	1MF	20%	50V	
C036	1-123-380-00	ELECT	1MF	20%	50V	
C037	1-123-356-00	ELECT	10MF	20%	50V	
C061	1-110-175-81	MYLAR	0.1MF	10%	100V	
C063	1-123-380-00	ELECT	1MF	20%	50V	
C271	1-123-343-00	ELECT	33MF	20%	25V	
C273	1-123-359-00	ELECT	47MF	20%	50V	
C274	1-123-364-00	ELECT	1000MF	20%	50V	
C275	1-123-343-00	ELECT	33MF	20%	25V	
C276	1-123-359-00	ELECT	47MF	20%	50V	
C278	1-123-349-00	ELECT	1000MF	20%	35V	
C279	1-123-343-00	ELECT	33MF	20%	25V	
C280	1-123-349-00	ELECT	1000MF	20%	35V	
C281	1-123-360-00	ELECT	100MF	20%	50V	
C282	1-101-005-00	CERAMIC	0.022MF		50V	
C283	1-101-005-00	CERAMIC	0.022MF		50V	
C284	1-102-973-00	CERAMIC	100PF	5%	50V	
C285	1-102-973-00	CERAMIC	100PF	5%	50V	
C286	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C287	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C401	1-123-381-00	ELECT	2.2MF	20%	50V	
C402	1-110-175-81	MYLAR	0.1MF	10%	100V	
C403	1-102-816-00	CERAMIC	120PF	5%	50V	
C404	1-123-356-00	ELECT	10MF	20%	16V	
C405	1-123-380-00	ELECT	1MF	20%	50V	
C406	1-131-373-00	TANTALUM	22MF	10%	16V	
C407	1-110-182-81	MYLAR	0.022MF	10%	250V	
C408	1-102-973-00	CERAMIC	100PF	5%	50V	
C409	1-131-344-00	TANTALUM	0.33MF	10%	35V	
C410	1-123-369-00	ELECT	4.7MF	20%	50V	
C411	1-124-645-11	ELECT	10MF	20%	16V	
C412	1-123-381-00	ELECT	2.2MF	20%	50V	
C413	1-110-182-81	MYLAR	0.022MF	10%	250V	
C414	1-110-182-81	MYLAR	0.022MF	10%	250V	
C415	1-123-369-00	ELECT	4.7MF	20%	50V	
C416	1-124-002-11	ELECT	1MF	20%	50V	
C417	1-131-344-00	TANTALUM	0.33MF	10%	35V	
C418	1-131-344-00	TANTALUM	0.33MF	10%	35V	
C419	1-123-323-00	ELECT	470MF	20%	16V	
C420	1-110-182-81	MYLAR	0.022MF	10%	250V	
C421	1-110-182-81	MYLAR	0.022MF	10%	250V	
C422	1-110-182-81	MYLAR	0.022MF	10%	250V	
C423	1-101-880-00	CERAMIC	47PF	5%	50V	
C424	1-110-182-81	MYLAR	0.022MF	10%	250V	
C425	1-110-182-81	MYLAR	0.022MF	10%	250V	

Ref.No.	Part No.	Description			Remark
C426	1-110-182-81	MYLAR	0.022MF	10%	250V
C427	1-110-179-81	MYLAR	0.22MF	10%	100V
C428	1-110-179-81	MYLAR	0.22MF	10%	100V
C429	1-110-179-81	MYLAR	0.22MF	10%	100V
C430	1-123-318-00	ELECT	33MF	20%	16V
C431	1-123-318-00	ELECT	33MF	20%	16V
C432	1-123-318-00	ELECT	33MF	20%	16V
C433	1-110-190-81	MYLAR	0.01MF	10%	400V
C434	1-123-318-00	ELECT	33MF	20%	16V
C435	1-110-186-81	MYLAR	0.0047MF	10%	400V
C436	1-123-318-00	ELECT	33MF	20%	16V
C437	1-102-951-00	CERAMIC	15PF	5%	50V
C438	1-123-321-00	ELECT	220MF	20%	16V
C439	1-123-318-00	ELECT	33MF	20%	16V
C501	1-123-356-00	ELECT	10MF	20%	50V
C502	1-110-187-81	MYLAR	0.0056MF	10%	400V
C503	1-110-175-81	MYLAR	0.1MF	10%	100V
C504	1-123-332-00	ELECT	47MF	20%	16V
C505	1-130-023-00	FILM	0.0027MF	5%	50V
C506	1-110-175-81	MYLAR	0.1MF	10%	100V
C507	1-102-989-00	CERAMIC	68PF	5%	500V
C508	1-123-379-00	ELECT	0.47MF	20%	50V
C509	1-123-323-00	ELECT	470MF	20%	16V
C511	1-108-614-91	MYLAR	0.001MF	10%	100V
C512	1-124-013-11	ELECT	100MF	20%	16V
C513	1-110-182-81	MYLAR	0.022MF	10%	250V
C514	1-136-171-00	FILM	0.33MF	5%	50V
C515	1-136-171-00	FILM	0.33MF	5%	50V
C516	1-101-361-00	CERAMIC	150PF	5%	50V
C517	1-123-380-00	ELECT	1MF	20%	50V
C518	1-123-330-00	ELECT	22MF	20%	16V
C519	1-110-174-81	MYLAR	0.082MF	10%	100V
C520	1-123-379-00	ELECT	0.47MF	20%	50V
C521	1-123-369-00	ELECT	4.7MF	20%	50V
C522	1-123-380-00	ELECT	1MF	20%	50V
C523	1-110-192-81	MYLAR	0.015MF	10%	400V
C526	1-123-323-00	ELECT	470MF	20%	16V
C527	1-123-336-00	ELECT	470MF	20%	25V
C529	1-110-175-81	MYLAR	0.1MF	10%	100V
C530	1-123-321-00	ELECT	220MF	20%	16V
C560	1-129-743-00	FILM	0.022MF	10%	400V
C561	1-123-357-00	ELECT	22MF	20%	50V
C562	1-102-030-00	CERAMIC	330PF	10%	500V
C563	1-123-931-00	ELECT	3.3MF	20%	160V
C564	1-102-157-00	CERAMIC	560PF	10%	500V
C565	1-106-182-00	MYLAR	0.0027MF	10%	100V
C566	1-123-318-00	ELECT	33MF	20%	16V
C567	1-110-116-11	MYLAR	0.068MF	10%	250V
C568	1-123-362-00	ELECT	330MF	20%	50V
C569	1-131-347-00	TANTALUM	1MF	10%	35V
C570	1-123-360-00	ELECT	100MF	20%	50V
C571	1-123-380-00	ELECT	1MF	20%	50V
C572	1-123-360-00	ELECT	100MF	20%	50V

Ref.No.	Part No.	Description			Remark
C801	1-123-362-00	ELECT	330MF	20%	50V
C802	1-110-171-81	MYLAR	0.047MF	10%	100V
C803	1-110-182-81	MYLAR	0.022MF	10%	250V
C804	1-123-948-00	ELECT	22MF	20%	250V
C805	1-162-114-00	CERAMIC	0.0047MF		2KV
C806	1-110-175-81	MYLAR	0.1MF	10%	100V
C807	1-123-333-00	ELECT	100MF	20%	16V
C808	1-123-333-00	ELECT	100MF	20%	16V
C809	1-123-322-00	ELECT	330MF	20%	16V
C810	1-123-024-00	ELECT	33MF		160V
C811	1-136-117-00	FILM	2MF	5%	200V
C812	1-123-943-00	ELECT	1MF	20%	250V
C813	1-110-190-81	MYLAR	0.01MF	10%	400V
C814	1-110-172-81	MYLAR	0.056MF	10%	100V
C815	1-136-053-00	FILM	1.2MF	5%	200V
C817	1-136-101-00	FILM	0.022MF	3%	2KV
C818	1-129-721-00	FILM	0.039MF	10%	630V
C819	1-161-754-00	CERAMIC	0.001MF	10%	3KV
C820	1-110-192-81	MYLAR	0.015MF	10%	400V
C821	1-102-327-00	CERAMIC	330PF	15%	1.5KV
C822	1-102-114-00	CERAMIC	470PF	10%	50V
C823	1-110-186-81	MYLAR	0.0047MF	10%	400V
C824	1-102-157-00	CERAMIC	560PF	10%	500V

FILTER

CF001	1-567-686-11	OSCILLATOR, CERAMIC

CONNECTOR

CNP1	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P
CNP2	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P
CNP3	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P
CNP4	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)
D1	*1-564-884-11	PLUG, CONNECTOR 7P
D2	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
D3	*1-564-881-11	PLUG, CONNECTOR 4P
D4	*1-564-880-31	PLUG, CONNECTOR 3P
D5	*1-508-766-00	4P PLUG (M)
D7	*1-508-765-00	3P PLUG (M)
D8	*1-564-883-11	PLUG, CONNECTOR 6P
D9	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P
D10	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)
D11	*1-564-887-11	PLUG, CONNECTOR 10P
D12	*1-564-879-21	PLUG, CONNECTOR 2P
D13	*1-564-890-11	PLUG, CONNECTOR 13P
D14	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)
D15	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P
D16	*1-564-880-31	PLUG, CONNECTOR 3P
D17	*1-564-887-11	PLUG, CONNECTOR 10P
D18	*1-564-885-11	PLUG, CONNECTOR 8P
D19	*1-508-786-00	2P PLUG (M)
D20	*1-564-883-11	PLUG, CONNECTOR 6P
D21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)
D22	*1-564-881-11	PLUG, CONNECTOR 4P

D

Ref.No.	Part No.	Description	Remark
D24	*1-564-883-11	PLUG, CONNECTOR 6P	
D25	*1-508-784-00	1P PLUG	
D26	*1-508-786-00	2P PLUG (M)	
DY1	*1-508-765-00	3P PLUG (M)	
DY2	*1-508-765-00	3P PLUG (M)	
DY3	*1-508-766-00	4P PLUG (M)	

DIODE

Ref.No.	Part No.	Description	Remark
D001	8-719-102-60	DIODE RD3.9E-N2	
D002	8-719-911-19	DIODE 1SS119	
D003	8-719-911-19	DIODE 1SS119	
D004	8-719-911-19	DIODE 1SS119	
D005	8-719-911-19	DIODE 1SS119	
D006	8-719-911-19	DIODE 1SS119	
D007	8-719-911-19	DIODE 1SS119	
D008	8-719-102-71	DIODE RD5.6E-N2	
D009	8-719-101-24	DIODE RD39E-B2	
D011	8-719-102-71	DIODE RD5.6E-N2	
D012	8-719-911-19	DIODE 1SS119	
D013	8-719-911-19	DIODE 1SS119	
D015	8-719-102-74	DIODE RD6.2E-N2	
D016	8-719-911-19	DIODE 1SS119	
D017	8-719-911-19	DIODE 1SS119	
D271	8-719-911-19	DIODE 1SS119	
D401	8-719-911-19	DIODE 1SS119	
D402	8-719-911-19	DIODE 1SS119	
D403	8-719-911-19	DIODE 1SS119	
D404	8-719-911-19	DIODE 1SS119	
D405	8-719-911-19	DIODE 1SS119	
D406	8-719-911-19	DIODE 1SS119	
D407	8-719-911-19	DIODE 1SS119	
D408	8-719-911-19	DIODE 1SS119	
D409	8-719-911-19	DIODE 1SS119	
D412	8-719-911-19	DIODE 1SS119	
D413	8-719-911-19	DIODE 1SS119	
D414	8-719-911-19	DIODE 1SS119	
D415	8-719-911-19	DIODE 1SS119	
D416	8-719-911-19	DIODE 1SS119	
D417	8-719-911-19	DIODE 1SS119	
D418	8-719-911-19	DIODE 1SS119	
D419	8-719-911-19	DIODE 1SS119	
D421	8-719-102-71	DIODE RD5.6E-N2	
D422	8-719-911-19	DIODE 1SS119	
D423	8-719-911-19	DIODE 1SS119	
D424	8-719-911-19	DIODE 1SS119	
D425	8-719-911-19	DIODE 1SS119	
D426	8-719-911-19	DIODE 1SS119	
D427	8-719-911-19	DIODE 1SS119	
D428	8-719-911-19	DIODE 1SS119	
D501	8-719-911-19	DIODE 1SS119	
D502	8-719-911-19	DIODE 1SS119	
D503	8-719-911-19	DIODE 1SS119	
D504	8-719-911-19	DIODE 1SS119	
D506	8-719-911-19	DIODE 1SS119	
D507	8-719-911-19	DIODE 1SS119	
D509	8-719-911-19	DIODE 1SS119	
D510	8-719-911-19	DIODE 1SS119	
D511	8-719-911-19	DIODE 1SS119	
D560	8-719-901-93	DIODE V19E	
D561	8-719-901-93	DIODE V19E	
D562	8-719-901-93	DIODE V19E	
D563	8-719-901-93	DIODE V19E	
D564	8-719-911-19	DIODE 1SS119	
D801	8-719-901-93	DIODE V19E	
D802	8-719-901-93	DIODE V19E	
D803	8-719-300-65	DIODE ES1F	
D804	8-719-901-93	DIODE V19E	
D805	8-719-901-93	DIODE V19E	
D806	8-719-305-15	DIODE GH3F	
D807	8-719-305-15	DIODE GH3F	
D808	8-719-900-26	DIODE ERD29-08J	
D809	8-719-931-13	DIODE EQB01-13	
D810	8-719-901-93	DIODE V19E	

IC

Ref.No.	Part No.	Description	Remark
IC001	8-759-603-96	IC M50436-515SP	
IC002	8-759-603-41	IC M58655P	
IC004	8-759-157-40	IC UPC574J	
IC251	8-749-943-62	IC STK-4362	
	*4-368-684-01	SPRING (L); IC251	
IC402	8-759-929-07	IC TDA3505-V7	
IC403	8-759-007-21	IC MC74HC4053N	
IC404	8-759-007-21	IC MC74HC4053N	
	*4-375-717-01	HEAT SINK, IC; IC501	
IC501	8-759-915-46	IC TDA2579	
IC502	8-759-403-61	IC AN78M12R	

MODULE

Ref.No.	Part No.	Description	Remark
IC401	1-235-534-11	CONTROL MODULE, PICTURE	

COIL

Ref.No.	Part No.	Description	Remark
L001	1-410-476-11	MICRO INDUCTOR 33UH	
L002	1-410-486-21	MICRO INDUCTOR 220UH	
L003	1-410-482-31	MICRO INDUCTOR 100UH	
L801	1-459-074-00	COIL, DUST CORE 6.8MMH(HCC)	
L802	1-421-329-00	COIL, CHOKE	
L803	1-437-090-00	HDT	
L804	1-408-239-00	MICRO INDUCTOR 4.7MMH	
L805	1-459-224-00	HLC	
L806	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)	
L807	1-407-365-00	COIL, CHOKE	
L808	1-407-365-00	COIL, CHOKE	
L809	1-407-365-00	COIL, CHOKE	
L810	1-421-390-00	COIL, FERRITE (PMC)	

TRANSISTOR

Ref.No.	Part No.	Description	Remark
Q001	8-729-177-32	TRANSISTOR 2SD773	
Q002	8-729-117-54	TRANSISTOR 2SA1175	
Q003	8-729-900-63	TRANSISTOR DTA124ES	
Q004	8-729-603-50	TRANSISTOR 2SC403SP	
Q005	8-729-117-54	TRANSISTOR 2SA1175	
Q006	8-729-900-89	TRANSISTOR DTC144ES	
Q007	8-729-177-32	TRANSISTOR 2SD773	
Q008	8-729-117-54	TRANSISTOR 2SA1175	
Q009	8-729-900-89	TRANSISTOR DTC144ES	
Q011	8-729-178-54	TRANSISTOR 2SC2785	
Q012	8-729-117-54	TRANSISTOR 2SA1175	
Q061	8-729-117-54	TRANSISTOR 2SA1175	
Q401	8-729-178-54	TRANSISTOR 2SC2785	
Q402	8-729-178-54	TRANSISTOR 2SC2785	
Q403	8-729-178-54	TRANSISTOR 2SC2785	
Q404	8-729-178-54	TRANSISTOR 2SC2785	
Q405	8-729-178-54	TRANSISTOR 2SC2785	
Q406	8-729-900-80	TRANSISTOR DTC114ES	
Q407	8-729-178-54	TRANSISTOR 2SC2785	
Q408	8-729-900-89	TRANSISTOR DTC144ES	
Q409	8-729-900-89	TRANSISTOR DTC144ES	
Q410	8-729-900-89	TRANSISTOR DTC144ES	
Q411	8-729-178-54	TRANSISTOR 2SC2785	
Q412	8-729-178-54	TRANSISTOR 2SC2785	
Q413	8-729-178-54	TRANSISTOR 2SC2785	
Q501	8-729-117-54	TRANSISTOR 2SA1175	
Q502	8-729-178-54	TRANSISTOR 2SC2785	
Q503	8-729-117-54	TRANSISTOR 2SA1175	
Q504	8-729-117-54	TRANSISTOR 2SA1175	
Q505	8-729-178-54	TRANSISTOR 2SC2785	
Q506	8-729-178-54	TRANSISTOR 2SC2785	
Q507	8-729-178-54	TRANSISTOR 2SC2785	
Q508	8-729-900-36	TRANSISTOR DTC124ES	
Q509	8-729-900-36	TRANSISTOR DTC124ES	
Q560	8-729-169-02	TRANSISTOR 2SC2690A	
Q561	8-729-195-82	TRANSISTOR 2SC2958	
Q562	8-729-122-02	TRANSISTOR 2SA1220A	
	4-303-483-00	HEAD, WASHER, TAPPING SCREW; Q562	
Q563	8-729-805-13	TRANSISTOR 2SC1475-13	
Q564	8-729-103-43	TRANSISTOR 2SB734	
Q801	8-729-805-13	TRANSISTOR 2SC1475-13	
Q802	8-729-103-43	TRANSISTOR 2SB734	
Q803	8-719-801-06	THYRISTOR S6344G	
	4-365-216-00	SPACER, MICA; Q803	
	*4-368-683-01	SPRING; Q803	
Q804	8-729-300-90	TRANSISTOR 2SD1497-06	
	4-363-414-00	SPACER, MICA; Q804	
	*4-368-683-01	SPRING; Q804	
Q805	8-729-168-82	TRANSISTOR 2SC2688	

RESISTOR

Ref.No.	Part No.	Description				Remark
R001	1-215-778-91	METAL	47K	5%	1/6W	
R002	1-215-778-91	METAL	47K	5%	1/6W	
R003	1-215-770-91	METAL	22K	5%	1/6W	
R004	1-215-770-91	METAL	22K	5%	1/6W	
R005	1-215-738-91	METAL	1K	5%	1/6W	
R006	1-215-730-91	METAL	470	5%	1/6W	
R007	1-215-730-91	METAL	470	5%	1/6W	
R008	1-215-730-91	METAL	470	5%	1/6W	
R009	1-215-738-91	METAL	1K	5%	1/6W	
R011	1-215-754-91	METAL	4.7K	5%	1/6W	
R012	1-215-754-91	METAL	4.7K	5%	1/6W	
R013	1-215-770-91	METAL	22K	5%	1/6W	
R014	1-215-176-00	METAL	10K	5%	1/4W	
R015	1-215-178-00	METAL	12K	5%	1/4W	
R016	1-215-184-00	METAL	22K	5%	1/4W	
R017	1-215-774-91	METAL	33K	5%	1/6W	
R018	1-215-772-91	METAL	27K	5%	1/6W	
R019	1-215-774-91	METAL	33K	5%	1/6W	
R020	1-215-756-91	METAL	5.6K	5%	1/6W	
R021	1-215-770-91	METAL	22K	5%	1/6W	
R022	1-215-770-91	METAL	22K	5%	1/6W	
R023	1-215-762-91	METAL	10K	5%	1/6W	
R024	1-215-770-91	METAL	22K	5%	1/6W	
R025	1-215-770-91	METAL	22K	5%	1/6W	
R026	1-215-738-91	METAL	1K	5%	1/6W	
R027	1-215-738-91	METAL	1K	5%	1/6W	
R028	1-215-738-91	METAL	1K	5%	1/6W	
R029	1-215-738-91	METAL	1K	5%	1/6W	
R030	1-215-738-91	METAL	1K	5%	1/6W	
R031	1-215-738-91	METAL	1K	5%	1/6W	
R032	1-215-738-91	METAL	1K	5%	1/6W	
R033	1-215-770-91	METAL	22K	5%	1/6W	
R035	1-215-770-91	METAL	22K	5%	1/6W	
R036	1-215-762-91	METAL	10K	5%	1/6W	
R037	1-215-738-91	METAL	1K	5%	1/6W	
R038	1-215-738-91	METAL	1K	5%	1/6W	
R039	1-215-738-91	METAL	1K	5%	1/6W	
R040	1-215-738-91	METAL	1K	5%	1/6W	
R041	1-215-738-91	METAL	1K	5%	1/6W	
R042	1-215-738-91	METAL	1K	5%	1/6W	
R043	1-215-738-91	METAL	1K	5%	1/6W	
R044	1-215-730-91	METAL	470	5%	1/6W	
R045	1-215-738-91	METAL	1K	5%	1/6W	
R046	1-215-730-91	METAL	470	5%	1/6W	
R047	1-215-738-91	METAL	1K	5%	1/6W	
R048	1-215-738-91	METAL	1K	5%	1/6W	
R049	1-215-754-91	METAL	4.7K	5%	1/6W	
R050	1-215-128-00	METAL	100	5%	1/4W	
R052	1-215-900-11	METAL OXIDE	22K	5%	2W	F
R053	1-215-726-91	METAL	330	5%	1/6W	
R054	1-247-688-11	CARBON	10	5%	1/4W	F

D

Ref.No.	Part No.	Description				Remark
R055	1-215-730-91	METAL	470	5%	1/6W	
R056	1-215-738-91	METAL	1K	5%	1/6W	
R057	1-215-762-91	METAL	10K	5%	1/6W	
R058	1-215-754-91	METAL	4.7K	5%	1/6W	
R060	1-215-766-91	METAL	15K	5%	1/6W	
R061	1-215-778-91	METAL	47K	5%	1/6W	
R062	1-215-788-91	METAL	120K	5%	1/6W	
R063	1-215-748-91	METAL	2.7K	5%	1/6W	
R064	1-215-730-91	METAL	470	5%	1/6W	
R065	1-215-774-91	METAL	33K	5%	1/6W	
R066	1-215-786-91	METAL	100K	5%	1/6W	
R067	1-215-762-91	METAL	10K	5%	1/6W	
R068	1-215-762-91	METAL	10K	5%	1/6W	
R070	1-215-136-00	METAL	220	5%	1/4W	
R071	1-215-730-91	METAL	470	5%	1/6W	
R078	1-215-770-91	METAL	22K	5%	1/6W	
R079	1-215-772-91	METAL	27K	5%	1/6W	
R080	1-215-738-91	METAL	1K	5%	1/6W	
R081	1-215-766-91	METAL	15K	5%	1/6W	
R082	1-215-754-91	METAL	4.7K	5%	1/6W	
R084	1-215-750-91	METAL	3.3K	5%	1/6W	
R085	1-215-754-91	METAL	4.7K	5%	1/6W	
R086	1-215-746-91	METAL	2.2K	5%	1/6W	
R087	1-247-688-11	CARBON	10	5%	1/4W	F
R088	1-215-730-91	METAL	470	5%	1/6W	
R089	1-215-746-91	METAL	2.2K	5%	1/6W	
R090	1-215-762-91	METAL	10K	5%	1/6W	
R091	1-215-770-91	METAL	22K	5%	1/6W	
R092	1-215-810-91	METAL	1M	5%	1/6W	
R093	1-215-762-91	METAL	10K	5%	1/6W	
R094	1-215-762-91	METAL	10K	5%	1/6W	
R095	1-215-738-91	METAL	1K	5%	1/6W	
R096	1-215-766-91	METAL	15K	5%	1/6W	
R097	1-215-754-91	METAL	4.7K	5%	1/6W	
R271	1-215-734-91	METAL	680	5%	1/6W	
R272	1-215-734-91	METAL	680	5%	1/6W	
R273	1-215-730-91	METAL	470	5%	1/6W	
R274	1-215-730-91	METAL	470	5%	1/6W	
R275	1-215-746-91	METAL	2.2K	5%	1/6W	
R278	1-249-393-11	CARBON	10	5%	1/6W	F
R279	1-249-393-11	CARBON	10	5%	1/6W	F
R280	1-215-786-91	METAL	100K	5%	1/6W	
R281	1-215-762-91	METAL	10K	5%	1/6W	
R284	1-247-700-11	CARBON	100	5%	1/4W	F
R285	1-215-762-91	METAL	10K	5%	1/6W	
R287	1-215-786-91	METAL	100K	5%	1/6W	
R288	1-215-202-00	METAL	120K	5%	1/4W	
R289	1-215-778-91	METAL	47K	5%	1/6W	
R401	1-215-750-91	METAL	3.3K	5%	1/6W	
R402	1-215-754-91	METAL	4.7K	5%	1/6W	
R403	1-215-762-91	METAL	10K	5%	1/6W	
R404	1-215-752-91	METAL	3.9K	5%	1/6W	
R405	1-215-730-91	METAL	470	5%	1/6W	
R406	1-215-730-91	METAL	470	5%	1/6W	
R408	1-215-736-91	METAL	820	5%	1/6W	
R409	1-215-762-91	METAL	10K	5%	1/6W	
R410	1-215-216-81	METAL	470K	5%	1/4W	
R411	1-215-810-91	METAL	1M	5%	1/6W	
R412	1-215-784-91	METAL	82K	5%	1/6W	
R413	1-215-798-91	METAL	330K	5%	1/6W	
R414	1-215-772-91	METAL	27K	5%	1/6W	
R415	1-215-792-91	METAL	180K	5%	1/6W	
R416	1-215-770-91	METAL	22K	5%	1/6W	
R417	1-215-786-91	METAL	100K	5%	1/6W	
R418	1-215-734-91	METAL	680	5%	1/6W	
R419	1-215-206-81	METAL	180K	5%	1/4W	
R420	1-215-778-91	METAL	47K	5%	1/6W	
R421	1-215-778-91	METAL	47K	5%	1/6W	
R422	1-215-154-00	METAL	1.2K	5%	1/4W	
R424	1-215-463-00	METAL	56K	1%	1/6W	
R425	1-215-756-91	METAL	5.6K	5%	1/6W	
R426	1-215-714-91	METAL	100	5%	1/6W	
R427	1-215-128-00	METAL	100	5%	1/4W	
R428	1-215-764-91	METAL	12K	5%	1/6W	
R429	1-215-200-00	METAL	100K	5%	1/4W	
R430	1-215-796-91	METAL	270K	5%	1/6W	
R431	1-215-754-91	METAL	4.7K	5%	1/6W	
R432	1-215-152-00	METAL	1K	5%	1/4W	
R433	1-215-720-91	METAL	180	5%	1/6W	
R434	1-215-720-91	METAL	180	5%	1/6W	
R435	1-215-720-91	METAL	180	5%	1/6W	
R436	1-215-778-91	METAL	47K	5%	1/6W	
R437	1-215-144-00	METAL	470	5%	1/4W	
R438	1-215-738-91	METAL	1K	5%	1/6W	
R439	1-215-394-00	METAL	75	1%	1/6W	
R440	1-215-394-00	METAL	75	1%	1/6W	
R441	1-215-394-00	METAL	75	1%	1/6W	
R442	1-214-702-00	METAL	75	1%	1/4W	
R443	1-215-802-91	METAL	470K	5%	1/6W	
R444	1-215-802-91	METAL	470K	5%	1/6W	
R445	1-215-802-91	METAL	470K	5%	1/6W	
R447	1-215-744-91	METAL	1.8K	5%	1/6W	
R448	1-215-744-91	METAL	1.8K	5%	1/6W	
R449	1-215-744-91	METAL	1.8K	5%	1/6W	
R450	1-215-744-91	METAL	1.8K	5%	1/6W	
R451	1-215-744-91	METAL	1.8K	5%	1/6W	
R452	1-215-744-91	METAL	1.8K	5%	1/6W	
R457	1-215-738-91	METAL	1K	5%	1/6W	
R458	1-215-738-91	METAL	1K	5%	1/6W	
R459	1-215-738-91	METAL	1K	5%	1/6W	
R460	1-215-738-91	METAL	1K	5%	1/6W	
R461	1-215-732-91	METAL	560	5%	1/6W	
R464	1-215-152-00	METAL	1K	5%	1/4W	
R465	1-247-711-11	CARBON	680	5%	1/4W	F
R466	1-215-730-91	METAL	470	5%	1/6W	
R467	1-215-730-91	METAL	470	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R468	1-247-232-00	CARBON	470	5%	1/2W	
R469	1-215-730-91	METAL	470	5%	1/6W	
R501	1-215-722-91	METAL	220	5%	1/6W	
R502	1-215-738-91	METAL	1K	5%	1/6W	
R503	1-215-730-91	METAL	470	5%	1/6W	
R504	1-215-180-00	METAL	15K	5%	1/4W	
R505	1-215-754-91	METAL	4.7K	5%	1/6W	
R506	1-215-750-91	METAL	3.3K	5%	1/6W	
R507	1-215-752-91	METAL	3.9K	5%	1/6W	
R508	1-215-756-91	METAL	5.6K	5%	1/6W	
R509	1-215-722-91	METAL	220	5%	1/6W	
R510	1-216-464-11	METAL OXIDE	18K	5%	2W	F
R511	1-214-763-00	METAL	27K	1%	1/4W	
R513	1-215-790-91	METAL	150K	5%	1/6W	
R514	1-215-766-91	METAL	15K	5%	1/6W	
R515	1-215-176-00	METAL	10K	5%	1/4W	
R516	1-215-186-00	METAL	27K	5%	1/4W	
R517	1-215-746-91	METAL	2.2K	5%	1/6W	
R518	1-215-766-91	METAL	15K	5%	1/6W	
R519	1-215-128-00	METAL	100	5%	1/4W	
R520	1-215-742-91	METAL	1.5K	5%	1/6W	
R521	1-215-152-00	METAL	1K	5%	1/4W	
R522	1-215-764-91	METAL	12K	5%	1/6W	
R523	1-215-738-91	METAL	1K	5%	1/6W	
R525	1-210-825-00	SOLID	3.3M	5%	1/4W	
R526	1-210-825-00	SOLID	3.3M	5%	1/4W	
R527	1-215-714-91	METAL	100	5%	1/6W	
R528	1-215-714-91	METAL	100	5%	1/6W	
R529	1-215-740-91	METAL	1.2K	5%	1/6W	
R530	1-215-728-91	METAL	390	5%	1/6W	
R531	1-215-770-91	METAL	22K	5%	1/6W	
R532	1-215-748-91	METAL	2.7K	5%	1/6W	
R533	1-215-164-00	METAL	3.3K	5%	1/4W	
R534	1-215-461-00	METAL	47K	1%	1/6W	
R535	1-215-198-00	METAL	82K	5%	1/4W	
R536	1-215-738-91	METAL	1K	5%	1/6W	
R537	1-215-758-91	METAL	6.8K	5%	1/6W	
R538	1-215-712-91	METAL	82	5%	1/6W	
R539	1-215-477-00	METAL	220K	1%	1/6W	
R540	1-215-744-91	METAL	1.8K	5%	1/6W	
R541	1-215-786-91	METAL	100K	5%	1/6W	
R542	1-215-216-81	METAL	470K	5%	1/4W	
R543	1-202-463-00	SOLID	2.2M	5%	1/4W	
R544	1-210-825-00	SOLID	3.3M	5%	1/4W	
R546	1-215-200-00	METAL	100K	5%	1/4W	
R547	1-202-726-00	SOLID	3.9M	10%	1/2W	
R548	1-215-802-91	METAL	470K	5%	1/6W	
R549	1-215-738-91	METAL	1K	5%	1/6W	
R552	1-215-738-91	METAL	1K	5%	1/6W	
R560	1-247-700-11	CARBON	100	5%	1/4W	F
R561	1-215-182-00	METAL	18K	5%	1/4W	
R562	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R563	1-247-690-11	CARBON	15	5%	1/4W	F

Ref.No.	Part No.	Description				Remark
R564	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R566	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R567	1-249-405-11	CARBON	100	5%	1/6W	F
R568	1-215-746-91	METAL	2.2K	5%	1/6W	
R569	1-249-393-11	CARBON	10	5%	1/6W	F
R570	1-215-148-00	METAL	680	5%	1/4W	
R571	1-215-482-00	METAL	360K	1%	1/6W	
R572	1-215-766-91	METAL	15K	5%	1/6W	
R573	1-215-726-91	METAL	330	5%	1/6W	
R574	1-215-694-91	METAL	15	5%	1/6W	
R575	1-215-164-00	METAL	3.3K	5%	1/4W	
R576	1-215-104-81	METAL	10	5%	1/4W	
R577	1-216-354-11	METAL OXIDE	2.7	5%	1W	F
R578	1-212-990-00	FUSIBLE	220	5%	1/2W	F
R579	1-215-810-91	METAL	1M	5%	1/6W	
R580	1-249-399-11	CARBON	33	5%	1/6W	F
R583	1-215-872-11	METAL OXIDE	3.3K	5%	1W	F
R584	1-215-152-00	METAL	1K	5%	1/4W	
R585	1-249-382-11	CARBON	1.2	5%	1/6W	F
R586	1-249-382-11	CARBON	1.2	5%	1/6W	F
R587	1-216-458-11	METAL OXIDE	1.8K	5%	2W	F
R588	1-215-790-91	METAL	150K	5%	1/6W	
R589	1-215-762-91	METAL	10K	5%	1/6W	
R801	1-249-488-11	CARBON	18K	5%	1/2W	
R802	1-249-448-11	CARBON	1.2	5%	1/4W	F
R803	1-215-883-11	METAL OXIDE	33	5%	2W	F
R804	1-216-379-11	METAL OXIDE	6.8	5%	2W	F
R805	1-249-448-11	CARBON	1.2	5%	1/4W	F
R806	1-215-216-81	METAL	470K	5%	1/4W	
R807	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R808	1-202-838-00	SOLID	100K	10%	1/2W	
R809	1-202-826-00	SOLID	4.7K	10%	1/2W	
R810	1-202-818-00	SOLID	1K	10%	1/2W	
R811	1-217-430-00	FUSIBLE	4.7	5%	1/2W	F
R812	1-249-448-11	CARBON	1.2	5%	1/4W	F
R813	1-217-430-00	FUSIBLE	4.7	5%	1/2W	F
R814	1-244-923-00	CARBON	120K	5%	1/2W	
R815	1-215-884-11	METAL OXIDE	47	5%	2W	F
R816	1-215-871-11	METAL OXIDE	2.2K	5%	1W	F
R817	1-207-678-00	WIREWOUND	10	10%	5W	F
R818	1-207-678-00	WIREWOUND	10	10%	5W	F
R819	1-215-198-00	METAL	82K	5%	1/4W	
R820	1-215-710-91	METAL	68	5%	1/6W	
R821	1-215-158-00	METAL	1.8K	5%	1/4W	
R822	1-247-753-11	CARBON	1.2K	5%	1/2W	F
R823	1-216-345-11	METAL OXIDE	0.47	5%	1W	F
R824	1-215-886-11	METAL OXIDE	100	5%	2W	F

VARIABLE RESISTOR

RV401	1-230-630-11	RES, ADJ, CARBON 10K
RV402	1-230-630-11	RES, ADJ, CARBON 10K
RV501	1-226-703-00	RES, ADJ, METAL GLAZE 10K
RV502	1-226-776-00	RES, ADJ, METAL GLAZE 220K

D **J1**

Ref.No.	Part No.	Description	Remark
RV503	1-226-775-00	RES, ADJ, METAL GLAZE 100K	
RV560	1-230-631-11	RES, ADJ, CARBON 22K	
RV801	1-230-271-00	RES, ADJ, CARBON 4.7K	

SPARK GAP

Ref.No.	Part No.	Description
SG801	1-519-063-XX	DISCHARGING GAP

TRANSFORMER

Ref.No.	Part No.	Description
T801	1-437-090-00	HDT
T803	1-413-059-00	TRANSFORMER, FERRITE (DFT)

THERMISTOR

Ref.No.	Part No.	Description
TH560	1-806-213-00	THERMISTOR

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*A-1371-210-A J1 BOARD, COMPLETE
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CAPACITOR

Ref.No.	Part No.	Description			Remark
C1201	1-123-379-00	ELECT	0.47MF	20%	50V
C1202	1-102-824-00	CERAMIC	470PF	5%	50V
C1203	1-102-824-00	CERAMIC	470PF	5%	50V
C1204	1-123-332-00	ELECT	47MF	20%	16V
C1205	1-123-332-00	ELECT	47MF	20%	16V
C1206	1-123-379-00	ELECT	0.47MF	20%	50V
C1207	1-102-824-00	CERAMIC	470PF	5%	50V
C1208	1-102-824-00	CERAMIC	470PF	5%	50V
C1209	1-123-330-00	ELECT	22MF	20%	16V
C1210	1-123-380-00	ELECT	1MF	20%	50V
C1211	1-123-330-00	ELECT	22MF	20%	16V
C1212	1-123-380-00	ELECT	1MF	20%	50V
C1213	1-102-824-00	CERAMIC	470PF	5%	50V
C1214	1-123-380-00	ELECT	1MF	20%	50V
C1215	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1216	1-102-824-00	CERAMIC	470PF	5%	50V
C1217	1-123-380-00	ELECT	1MF	20%	50V
C1218	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1219	1-123-307-00	ELECT	100MF	20%	10V
C1220	1-123-307-00	ELECT	100MF	20%	10V
C1221	1-123-307-00	ELECT	100MF	20%	10V
C1222	1-110-171-81	MYLAR	0.047MF	10%	100V
C1223	1-110-171-81	MYLAR	0.047MF	10%	100V
C1224	1-108-614-91	NYLAR	0.001MF	10%	100V
C1225	1-123-321-00	ELECT	220MF	20%	16V
C1226	1-123-332-00	ELECT	47MF	20%	16V
C1227	1-123-307-00	ELECT	100MF	20%	10V
C1228	1-110-171181	MYLAR	0.047MF	10%	100V
C1229	1-108-614-91	MYLAR	0.001MF	10%	100V
C1230	1-123-380-00	ELECT	1MF	20%	50V
C1231	1-123-333-00	ELECT	100MF	20%	16V
C1232	1-110-184-81	MYLAR	0.033MF	10%	250V
C1233	1-123-379-00	ELECT	0.47MF	20%	50V
C1234	1-123-379-00	ELECT	0.47MF	20%	50V
C1235	1-123-381-00	ELECT	2.2MF	20%	50V
C1236	1-110-186-81	MYLAR	0.0047MF	10%	400V
C1237	1-123-381-00	ELECT	2.2MF	20%	50V
C1238	1-110-186-81	MYLAR	0.0047MF	10%	400V
C1239	1-110-186-81	MYLAR	0.0047MF	10%	400V
C1240	1-110-182-81	MYLAR	0.022MF	10%	250V
C1241	1-110-182-81	MYLAR	0.022MF	10%	250V
C1242	1-123-380-00	ELECT	1MF	20%	50V
C1250	1-123-332-00	ELECT	47MF	20%	16V
C1251	1-102-976-00	CERAMIC	180PF	5%	50V
C1252	1-123-307-00	ELECT	100MF	20%	10V
C1253	1-123-307-00	ELECT	100MF	20%	10V
C1254	1-102-976-00	CERAMIC	180PF	5%	50V
C1255	1-123-332-00	ELECT	47MF	20%	16V
C1256	1-110-171-81	MYLAR	0.047MF	10%	100V
C1257	1-123-332-00	ELECT	47MF	20%	16V
C1258	1-123-332-00	ELECT	47MF	20%	16V
C1259	1-123-333-00	ELECT	100MF	20%	16V
C1260	1-110-182-81	MYLAR	0.022MF	10%	250V
C1261	1-110-182-81	MYLAR	0.022MF	10%	250V

CONNECTOR

Ref.No.	Part No.	Description
CN1201	1-561-534-41	SOCKET 21P
CN1202	1-561-534-41	SOCKET 21P
CN1203	1-536-996-11	TERMINAL BOARD, INPUT/OUTPUT

DIODE

Ref.No.	Part No.	Description
D1201	8-719-102-81	DIODE RD7.5E-N2
D1202	8-719-102-81	DIODE RD7.5E-N2
D1203	8-719-102-81	DIODE RD7.5E-N2
D1204	8-719-102-81	DIODE RD7.5E-N2
D1205	8-719-102-81	DIODE RD7.5E-N2
D1206	8-719-102-81	DIODE RD7.5E-N2
D1207	8-719-000-12	DIODE MC931
D1208	8-719-000-12	DIODE MC931
D1209	8-719-815-55	DIODE 1S1555
D1210	8-719-000-12	DIODE MC931
D1211	8-719-000-12	DIODE MC931
D1212	8-719-000-12	DIODE MC931
D1213	8-719-102-81	DIODE RD7.5E-N2
D1214	8-719-102-81	DIODE RD7.5E-N2
D1215	8-719-000-06	DIODE MC921
D1216	8-719-911-19	DIODE 1SS119
D1217	8-719-911-19	DIODE 1SS119
D1218	8-719-911-19	DIODE 1SS119
D1219	8-719-911-19	DIODE 1SS119
D1220	8-719-815-55	DIODE 1S1555
D1221	8-719-102-97	DIODE RD12E-N2
D1222	8-719-102-97	DIODE RD12E-N2
D1223	8-719-911-19	DIODE 1SS119
D1224	8-719-911-19	DIODE 1SS119
D1225	8-719-815-55	DIODE 1S1555

Ref.No.	Part No.	Description				Remark
		IC				
IC1201	8-759-914-76	IC CX20199				
IC1202	8-759-145-58	IC UPC4558C				
		CONNECTOR				
J1	*1-564-899-31	PLUG, CONNECTOR 10P				
J2	*1-564-897-11	PLUG, CONNECTOR 8P				
J3	*1-564-895-21	PLUG, CONNECTOR 6P				
J4	*1-564-891-11	PLUG, CONNECTOR 2P				
J5	*1-564-891-11	PLUG, CONNECTOR 2P				
J6	*1-564-895-21	PLUG, CONNECTOR 6P				
J7	*1-564-894-11	PLUG, CONNECTOR 5P				
J8	*1-564-895-21	PLUG, CONNECTOR 6P				
		COIL				
L1201	1-459-407-00	COIL, FERRITE CHOKE				
L1202	1-459-407-00	COIL, FERRITE CHOKE				
		TRANSISTOR				
Q1203	8-729-117-54	TRANSISTOR 2SA1175				
Q1204	8-729-178-54	TRANSISTOR 2SC2785				
Q1205	8-729-117-54	TRANSISTOR 2SA1175				
Q1206	8-729-117-54	TRANSISTOR 2SA1175				
Q1207	8-729-900-65	TRANSISTOR DTA144ES				
Q1208	8-729-178-54	TRANSISTOR 2SC2785				
Q1209	8-729-117-54	TRANSISTOR 2SA1175				
Q1210	8-729-117-54	TRANSISTOR 2SA1175				
Q1211	8-729-178-54	TRANSISTOR 2SC2785				
Q1212	8-729-178-54	TRANSISTOR 2SC2785				
Q1213	8-729-900-89	TRANSISTOR DTC144ES				
Q1214	8-729-900-89	TRANSISTOR DTC144ES				
Q1215	8-729-117-54	TRANSISTOR 2SA1175				
Q1216	8-729-117-54	TRANSISTOR 2SA1175				
Q1217	8-729-178-54	TRANSISTOR 2SC2785				
Q1218	8-729-178-54	TRANSISTOR 2SC2785				
Q1219	8-729-900-89	TRANSISTOR DTC144ES				
Q1220	8-729-900-89	TRANSISTOR DTC144ES				
Q1221	8-729-117-54	TRANSISTOR 2SA1175				
Q1222	8-729-900-36	TRANSISTOR DTC124ES				
Q1223	8-729-178-54	TRANSISTOR 2SC2785				
Q1224	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R1201	1-215-802-91	METAL	470K	5%	1/6W	
R1202	1-215-186-00	METAL	27K	5%	1/4W	
R1203	1-215-778-91	METAL	47K	5%	1/6W	
R1204	1-215-730-91	METAL	470	5%	1/6W	
R1205	1-215-778-91	METAL	47K	5%	1/6W	
R1206	1-215-730-91	METAL	470	5%	1/6W	
R1207	1-215-762-91	METAL	10K	5%	1/6W	
R1208	1-215-762-91	METAL	10K	5%	1/6W	
R1209	1-215-714-91	METAL	100	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R1210	1-215-714-91	METAL	100	5%	1/6W	
R1211	1-215-802-91	METAL	470K	5%	1/6W	
R1212	1-215-772-91	METAL	27K	5%	1/6W	
R1213	1-215-714-91	METAL	100	5%	1/6W	
R1214	1-215-736-91	METAL	820	5%	1/6W	
R1215	1-215-772-91	METAL	27K	5%	1/6W	
R1216	1-215-770-91	METAL	22K	5%	1/6W	
R1217	1-215-736-91	METAL	820	5%	1/6W	
R1218	1-215-772-91	METAL	27K	5%	1/6W	
R1219	1-215-184-00	METAL	22K	5%	1/4W	
R1220	1-215-778-91	METAL	47K	5%	1/6W	
R1221	1-215-778-91	METAL	47K	5%	1/6W	
R1222	1-215-772-91	METAL	27K	5%	1/6W	
R1223	1-215-772-91	METAL	27K	5%	1/6W	
R1224	1-215-712-91	METAL	82	5%	1/6W	
R1225	1-215-128-00	METAL	100	5%	1/4W	
R1226	1-215-712-91	METAL	82	5%	1/6W	
R1227	1-215-714-91	METAL	100	5%	1/6W	
R1230	1-215-714-91	METAL	100	5%	1/6W	
R1231	1-215-394-00	METAL	75	1%	1/6W	
R1232	1-215-762-91	METAL	10K	5%	1/6W	
R1233	1-215-762-91	METAL	10K	5%	1/6W	
R1234	1-215-772-91	METAL	27K	5%	1/6W	
R1235	1-215-772-91	METAL	27K	5%	1/6W	
R1236	1-215-128-00	METAL	100	5%	1/4W	
R1237	1-215-176-00	METAL	10K	5%	1/4W	
R1238	1-215-176-00	METAL	10K	5%	1/4W	
R1239	1-215-176-00	METAL	10K	5%	1/4W	
R1240	1-247-700-11	CARBON	100	5%	1/4W	F
R1241	1-215-168-00	METAL	4.7K	5%	1/4W	
R1242	1-215-754-91	METAL	4.7K	5%	1/6W	
R1243	1-215-738-91	METAL	1K	5%	1/6W	
R1244	1-215-742-91	METAL	1.5K	5%	1/6W	
R1245	1-215-810-91	METAL	1M	5%	1/6W	
R1246	1-215-762-91	METAL	10K	5%	1/6W	
R1247	1-215-742-91	METAL	1.5K	5%	1/6W	
R1248	1-215-738-91	METAL	1K	5%	1/6W	
R1249	1-215-778-91	METAL	47K	5%	1/6W	
R1250	1-215-762-91	METAL	10K	5%	1/6W	
R1251	1-215-168-00	METAL	4.7K	5%	1/4W	
R1252	1-215-778-91	METAL	47K	5%	1/6W	
R1253	1-215-778-91	METAL	47K	5%	1/6W	
R1254	1-247-698-11	CARBON	68	5%	1/4W	F
R1255	1-215-702-91	METAL	33	5%	1/6W	
R1256	1-215-754-91	METAL	4.7K	5%	1/6W	
R1257	1-215-754-91	METAL	4.7K	5%	1/6W	
R1258	1-215-750-91	METAL	3.3K	5%	1/6W	
R1259	1-215-750-91	METAL	3.3K	5%	1/6W	
R1260	1-247-698-11	CARBON	68	5%	1/4W	F
R1261	1-215-394-00	METAL	75	1%	1/6W	
R1262	1-215-738-91	METAL	1K	5%	1/6W	
R1263	1-215-752-91	METAL	3.9K	5%	1/6W	
R1264	1-215-760-91	METAL	8.2K	5%	1/6W	

J1 **H2** **H1**

Ref.No.	Part No.	Description				Remark
R1265	1-215-760-91	METAL	8.2K	5%	1/6W	
R1266	1-215-752-91	METAL	3.9K	5%	1/6W	
R1267	1-215-394-00	METAL	75	1%	1/6W	
R1268	1-215-702-91	METAL	33	5%	1/6W	
R1269	1-215-750-91	METAL	3.3K	5%	1/6W	
R1270	1-215-774-91	METAL	33K	5%	1/6W	
R1271	1-215-774-91	METAL	33K	5%	1/6W	
R1272	1-215-750-91	METAL	3.3K	5%	1/6W	
R1273	1-215-732-91	METAL	560	5%	1/6W	
R1274	1-247-698-11	CARBON	68	5%	1/4W	F
R1275	1-215-750-91	METAL	3.3K	5%	1/6W	
R1276	1-215-752-91	METAL	3.9K	5%	1/6W	
R1277	1-215-104-81	METAL	10	5%	1/4W	
R1278	1-215-762-91	METAL	10K	5%	1/6W	
R1279	1-215-144-00	METAL	470	5%	1/4W	
R1280	1-215-754-91	METAL	4.7K	5%	1/6W	
R1281	1-215-754-91	METAL	4.7K	5%	1/6W	
R1282	1-215-762-91	METAL	10K	5%	1/6W	
R1283	1-215-786-91	METAL	100K	5%	1/6W	
R1284	1-215-168-00	METAL	4.7K	5%	1/4W	
R1285	1-215-730-91	METAL	470	5%	1/6W	
R1286	1-215-730-91	METAL	470	5%	1/6W	

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*1-617-746-11 H2 BOARD
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DIODE

Ref.No.	Part No.	Description
D01	8-719-800-94	DIODE TLUR144
	*4-380-613-01	HOLDER (A), LED; D01
D02	8-719-812-41	DIODE TLR124
	*4-337-478-00	HOLDER (F), LED; D02
D03	8-719-812-41	DIODE TLR124
	*4-337-478-00	HOLDER (F), LED; D03
D04	8-719-812-41	DIODE TLR124
	*4-337-478-00	HOLDER (F), LED; D04
D05	8-719-812-41	DIODE TLR124
	*4-337-478-00	HOLDER (F), LED; D05
D06	8-719-911-19	DIODE 1SS119
D07	8-719-911-19	DIODE 1SS119

IC

Ref.No.	Part No.	Description
IC01	8-741-138-70	IC BX1387

****

*1-617-747-11 H1 BOARD
****

CAPACITOR

Ref.No.	Part No.	Description			
C1401	1-123-356-00	ELECT	10MF	20%	16V

CONNECTOR

Ref.No.	Part No.	Description
CN1401	1-507-806-00	JACK
H1	*1-564-886-11	PLUG, CONNECTOR 9P
H2	*1-564-887-11	PLUG, CONNECTOR 10P
H3	*1-564-883-11	PLUG, CONNECTOR 6P

DIODE

Ref.No.	Part No.	Description
D1401	8-719-812-41	DIODE TLR124
	*4-380-621-01	HOLDER (B), LED; D1401

RESISTOR

Ref.No.	Part No.	Description			
R1401	1-215-784-91	METAL	82K	5%	1/6W
R1402	1-215-770-91	METAL	22K	5%	1/6W
R1403	1-215-764-91	METAL	12K	5%	1/6W
R1404	1-215-764-91	METAL	12K	5%	1/6W
R1405	1-215-750-91	METAL	3.3K	5%	1/6W
R1406	1-215-144-00	METAL	470	5%	1/4W
R1407	1-215-144-00	METAL	470	5%	1/4W
R1408	1-215-754-91	METAL	4.7K	5%	1/6W
R1409	1-215-746-91	METAL	2.2K	5%	1/6W

VARIABLE RESISTOR

Ref.No.	Part No.	Description
RV1401	1-230-916-11	RES, VAR, CARBON 10K
RV1402	1-230-916-11	RES, VAR, CARBON 10K
RV1403	1-230-916-11	RES, VAR, CARBON 10K
RV1404	1-230-915-11	RES, VAR, CARBON 10K
RV1405	1-230-916-11	RES, VAR, CARBON 10K
RV1406	1-230-916-11	RES, VAR, CARBON 10K

SWITCH

Ref.No.	Part No.	Description
S1401	1-554-804-11	SWITCH, PUSH (1 KEY)
S1402	1-554-804-11	SWITCH, PUSH (1 KEY)
S1403	1-554-804-11	SWITCH, PUSH (1 KEY)
S1404	1-554-804-11	SWITCH, PUSH (1 KEY)
S1405	1-554-804-11	SWITCH, PUSH (1 KEY)
S1406	1-554-804-11	SWITCH, PUSH (1 KEY)
S1407	1-554-804-11	SWITCH, PUSH (1 KEY)
S1408	1-554-804-11	SWITCH, PUSH (1 KEY)
S1409	1-554-804-11	SWITCH, PUSH (1 KEY)
S1410	1-554-804-11	SWITCH, PUSH (1 KEY)
S1411	1-554-804-11	SWITCH, PUSH (1 KEY)
S1412	1-554-804-11	SWITCH, PUSH (1 KEY)
S1413	1-554-824-11	SWITCH, PUSH (1 KEY)

****

MISCELLANEOUS
****

Ref.No.	Part No.	Description
⚠	1-451-255-31	DEFLECTION YOKE (SY-164)
	1-452-032-00	MAGNET, DISK; 10MM ø
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ø
	1-452-146-21	MAGNET, BMC
	1-503-642-11	SPEAKER

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description	Remark
	1-543-179-00	CORE, RING	
	⚠.1-551-270-11	CORD, POWER	
	⚠.1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)	
	*1-558-539-21	CABLE, P-P	
	⚠.1-563-204-13	SOCKET, ANTENNA (PAL/SECAM)	
L901	⚠.1-426-278-11	COIL, DEMAGNETIZATION	
L902	⚠.1-452-391-21	NECK ASSY, CRT (NA305)	
RV901	⚠.1-237-280-11	RESISTOR ASSY, HIGH-VOLTAGE	
RV902	⚠.1-228-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
T802	⚠.1-439-332-42	TRANSFORMER ASSY, FLYBACK	
V901	⚠.8-736-653-05	CRT (A64JKJ60X)	

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ACCESSORIES AND PACKING MATERIALS
****

Part No.	Description	Remark
A-1470-744-A	COMMANDER ASSY (RM-664)	
*4-381-123-01	CUSHION (UPPER) (ASSY)	
*4-381-124-01	CUSHION (LOWER) (ASSY)	
*4-381-125-01	CUSHION (FRONT)	
*4-381-126-01	INDIVIDUAL CARTON	
*4-381-155-01	BAG, PROTECTION	
4-482-253-81	MANUAL, INSTRUCTION	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

9-963-722-01

Sony Corporation

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KV-27XRTM

RM-664

SONY

SERVICE MANUAL

West Germany Model

Chassis No. SCC-A39A-A

Serial No. 6,000,501 and later

No. 1

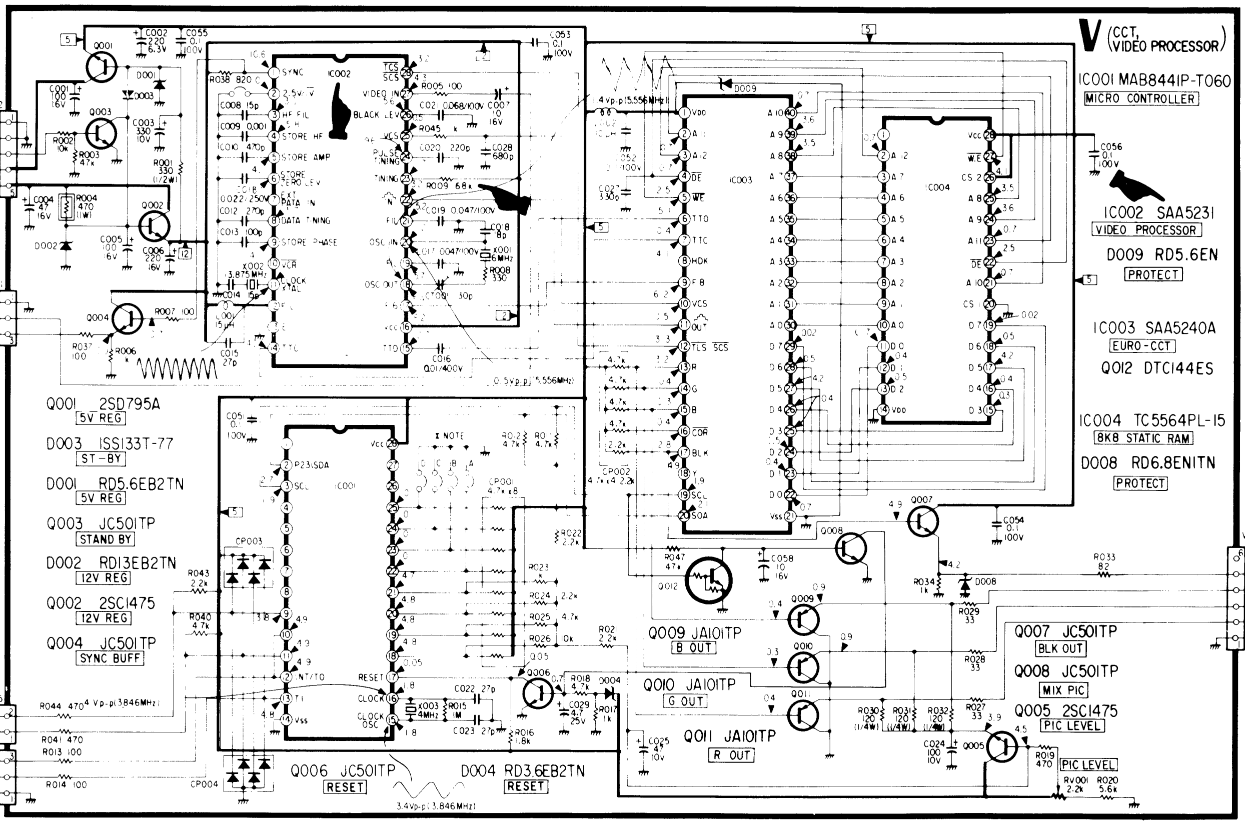
SUPPLEMENT

File this supplement with the serivce manual

SUBJECT:MODIFICATION OF CIRCUIT

☛ : Alteration

1. SCHEMATIC DIAGRAM page 33


V (CCT, VIDEO PROCESSOR)
IC001 MAB8441P-T060
MICRO CONTROLLER
IC002 SAA5231
VIDEO PROCESSOR
D009 RD5.6EN
PROTECT
IC003 SAA5240A
EURO-CCT
Q012 DTC144ES
IC004 TC5564PL-15
8K8 STATIC RAM
D008 RD6.8ENITN
PROTECT
Q001 2SD795A
5V REG
D003 1SS133T-77
ST-BY
D001 RD5.6EB2TN
5V REG
Q003 JC501TP
STAND BY
D002 RD13EB2TN
12V REG
Q002 2SC1475
12V REG
Q004 JC501TP
SYNC BUFF
Q009 JA101TP
B OUT
Q010 JA101TP
G OUT
Q011 JA101TP
R OUT
Q007 JC501TP
BLK OUT
Q008 JC501TP
MIX PIC
Q005 2SC1475
PIC LEVEL
Q006 JC501TP
RESET
D004 RD3.6EB2TN
RESET
V-1
V-2
V-3
V-4
V-5
ST-BY
7V
14V
VIDEO
S-TV
P/ON
TV
TXD
CLK
E
BLK
B OUT
G OUT
R OUT
R009 68k

2. ELECTRICAL PARTS LIST page 67

V.BOARD

IC002 SAA5230 8-759-918-54

⇩

SAA5231 8-759-944-59 ☚

R009 METAL 56K 1-249-438-11

⇩

METAL 68K 1-249-439-11 ☚

MICROFILM

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